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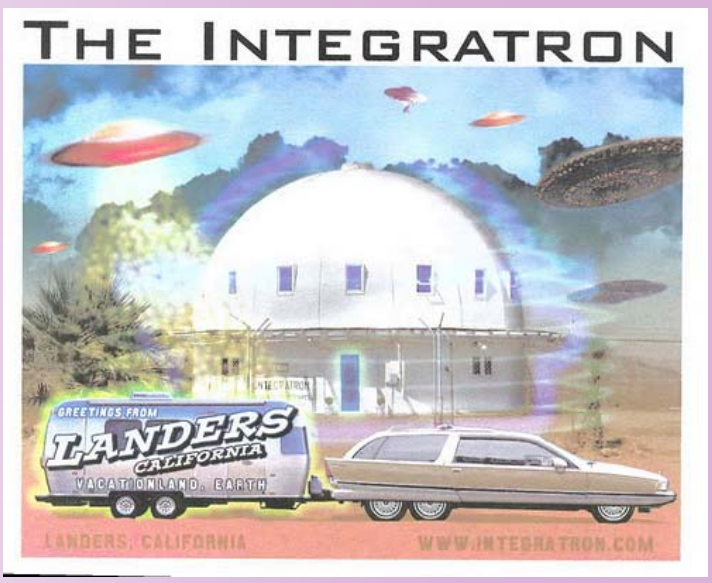

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UFOs and Politics

Argentina Promises Disclosure

On Thursday, May 13, 2010, Argentinean President Cristina Fernandez opened the bicentennial festivities in the city of Victoria. Researcher Silvia Perez Simondini took advantage of this opportunity to present the first executive with an envelope containing CEFORA documentation regarding UFO declassification efforts in other countries, as well as the list of researchers struggling for the declassification of the UFO archives.

The President approached Ms. Simondini, who asked her to please read the contents of the envelope, which she promised to do.

Two days later, during communications with Casa Rosada, it was confirmed that this documentation had been read and a promise of a reply was also confirmed. This is the first formal contact with Argentinean authorities regarding a request for declassification, in the hope that the desired goal can be achieved. *Posted*

President Eisenhower Meets The Aliens At Holloman AFB in 1955
Learn about this shocking story kept from the world for over 50 years from many of the actual people that lived it! Learn how Aliens met with President Dwight D. Eisenhower in 1955 and how they may have saved us all from a terrible Nuclear Holocost! UFO Researcher and Author ART CAMPBELL reveals the amazing details!
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Former New Hampshire State Rep. Claims Eisenhower was Briefed about ET

Honolulu Exopolitics Examiner Michael Salla reports: A former representative to the New Hampshire House of Representatives has released a video statement revealing he saw a secret brief to President Eisenhower concerning extraterrestrial life. Henry W. McElroy, a Republican, served on various committees during his time in the New Hampshire State legislature, and is best known for sponsoring a new Gold Money bill in 2004 that aimed to restore the use of Gold and Silver coins in the Granite State.

He most recently ran for and won the Republican primary for State Representative to the 2008 elections, but did not win re-election. In his statement, recorded on May 8, 2010 in Hampton Virginia, McElroy claims that the brief revealed that extraterrestrials were present in the United States, they were benevolent, and a meeting could be arranged for Eisenhower.

New British Prime Minister May Reveal UFO Secrets

David Cameron the Conservative leader in the UK elected as Prime Minister of the UK. In the past he said, ***"I am convinced the Earth has been visited by aliens and vow to publish any secret files that may exist on UFOs if I become Prime Minister."*** Aliens in UFOs have visited Earth, says David Cameron

Her Majesty the Queen asked Cameron to form a new government and President Obama phoned Cameron saying, "***The United States has no closer friend and ally than the United Kingdom…***" At 43, the Conservative party leader will be the country's youngest prime minister in almost two centuries, and, as he acknowledges, daunting task ahead.

Mr. Cameron, speaking at one of his regular meetings where he takes the public's questions, promised to be "entirely open and frank" about what the Government knows about close encounters.

Russian Politician Claims He Met Aliens

A senior Russian politician claims to have met aliens on the balcony of his Moscow apartment, prompting critics to question his suitability to head up the World Chess Federation and run an internal Russian republic.

Kirsan Ilyumzhinov, the President of the republic of Kalmykia, made the extraordinary comments on Russian state TV last week, claiming he spent several hours in the company of aliens in 1997.

He said he was relaxing at his Moscow apartment when he heard his balcony door being opened and someone calling him. "I went there and looked. There was a semi-transparent pipe. I went into this pipe and saw people in yellow spacesuits."

He claims to have communicated with the aliens/humanoids through brain waves. "I was shown around their spaceship," he said with no apparent sign of irony, adding that the aliens explained that they were collecting samples. "I would probably have not believed this if there had not been three witnesses – these were my driver, a minister and my assistant."

The eccentric politician has made similar claims before but his repeating them on prime time state TV at a time when he is standing for re-election as President of FIDE (the World Chess Federation) has caused consternation.

Andrey Lebedev, a Russian MP, has even demanded that the Kremlin investigate the incident.

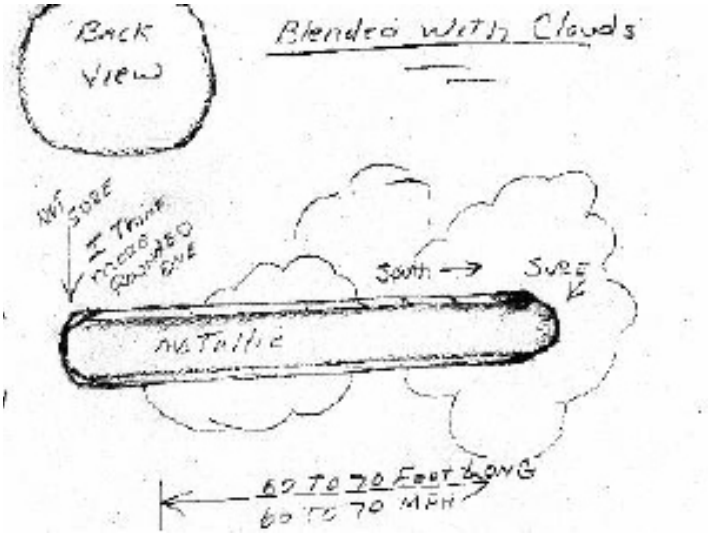
"I was surprised by those remarks and believe it would be worth while the president familiarising himself with them in order to be able to make his own assessment of the situation," Mr Lebedev said.

Bizarrely, Mr Lebedev said he felt it was necessary

Alaska Two Distinct Surfaces Reflecting the Sun

Homer — On May 5, 2010, at 10:45 AM, as I walked to the post office and enjoying the clear blue sky, I saw a powered parachute with no one was hanging underneath. I watched intensely and tried to contact my sister. It hovered for about two minutes and changing angles making the surface of this object reflect the sunlight showing two different distinct angled surfaces. This is my second sighting since 1980, and this I will never forget. Thanks to John Hayes www.ufoinfo.com

Arkansas Cylinder



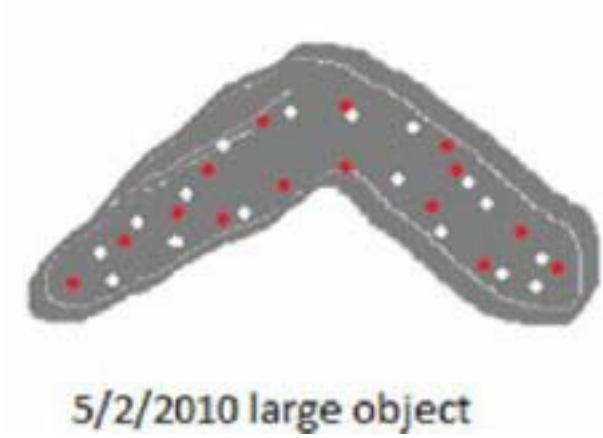
Rogers — On May 5, 2010, at 6 PM, I heard a massive airliner leave our small airport and looked up to see an airbus with a tan front end and a weird tail on it. I saw a cigar shaped UFO, 1500 feet above my home floating by at 65 mph following this airbus. I ran to the door that was locked and yelled to my wife to see what was wrong. I pointed at the craft and said, "Look no wings or sound! My wife and granddaughter who did not believe in UFO's now had substantial proof. The UFO was about 65 feet long, 8 to 10 feet high and about 15 feet wide, moving so slow any of our aircraft would fall out of the sky.

It was metallic gray, glistened in the setting sun as it drifted upward keeping a level profile like a small pipe. From the side appearance, it looked like a disc because of the abrupt downward slope at each end of the craft. I watched as the airbus made a slight left turn into the clouds and the almost octagon shaped UFO angled in that direction then vanished. I am positive that the UFO was with this airbus (maybe aiding it up out of the small airport. I attached a drawing of what we saw. Thanks to MUFON CMS

Arizona UFO Spotted Under Jet

I found a small UFO sphere in "The 10 Best Fighter Jets" (Discovery Channel) documentary film. The UFO flew near a U.S. Air Force F/A-22 Raptor before ascending into the sky. The UFO sphere can be seen at 2:32 minutes into the video.

http://www.youtube.com/watch?v=jra00qQ3oho
Thanks to Alfred Røsberg



San Francisco — On May 2, 2010, at 9:15 PM, because we are on the path of airport traffic, I know the difference between airplanes and the giant boomerang I saw last night. It had very dim lights almost the color of the night sky and made several passes near the Financial District. It would disappear

tilting east and then fly back overhead.

After passing over a couple times I noticed smaller very dark objects also without lights passing overhead. I took pictures that are out of focus or nothing came out. The object flew over a helicopter, and was huge at least the size of a passenger plane.
Note: The witness provided a good sketch of the boomerang object. These slow moving (can abruptly change speed) boomerang or triangular shaped objects are frequently reported. The objects are silent or emit a low humming noise. Thanks to William Puckett UFOS Northwest http://ufosnw.com

Colorado Unidentified

On May 1, 2010, I was in the balcony of my house, when I saw an object that did not move. It could be a hovering aircraft. Thanks to MUFON CMS

Florida Fast Moving Cylindrical Object

TAMPA — at 12:08 AM, on May 10, 2010, a UFO passing over the city amazed me. I was the only one who saw the saw fast moving cylindrical object surrounded by "green" seen in the night sky. It was a thing of absolute beauty. My eyes would never deceive me like this. It was too vivid, too amazing, and too real. It moved so fast and was soundless. I am also disappointed that I was not able to get a photo or video of it. It was too fast for me to pull out my phone before it zipped through the skyline over the building that is about 600 yards away. It was flying low, but very fast and very silent.

Note: The witness is obviously quite excited by what he saw. I would be too! He provided a very explicit report describing his unusual sighting. It is unlikely that anyone else saw the object given that it moved across the sky in 2 to 3 seconds and the fact that it occurred near midnight on a Sunday night. William Puckett, Director http://www.ufosnw.com

Georgia Square

Tybee Island —I recently captured this picture on my new camera. I was able to zoom in all the way to the left of the sun on May 8 2010, because I saw an object in the clouds. It showed up as if it was a hot object. I didn't know what I caught until I uploaded my digital pictures the next day. I am not sure what this object is, but maybe somebody could look at it. Thanks to MUFON CMS

Illinois Triangle from Airliner

I caught this ufo while flying home to Chicago from Dallas on **May 8, 2010, at 6:23 PM**, when I noticed a grey silhouette of what at first looked like a cigar hanging in the sky. I immediately took out my camera out from my carry on, took photos, and recorded video. We were flying north near the Illinois border and passed over a nuclear reactor as it flew away.

I am sure this is the same craft hit by lightning in

my Easter Sunday video. http://www.youtube.com/watch?v=1WjtFPSVcjs

Louisiana Mandolin Shaped Soundless Craft

Shreveport — On April 8, 2010, at 10 PM, we saw two bright white lights on the front of a craft well above tree line near Highway 71, approaching our vehicle. As it neared, it had a line of red lights flashing in sequence in a row. The craft crossed over and hovered well above our vehicle. Its shape was vaguely like a mandolin with a small greenish blue light and a red light on its belly. Six white interspersed small lights drifted slowly in the air. A car behind us must have also seen it. Thanks to Peter Davenport, Director National UFO Reporting Center (MP3)

Note: The witness says that he saw the "real deal" and has never seen anything like this. Given that he is a pilot one has to say that he probably is a good observer and saw something unusual. Thanks to William Puckett UFOS Northwest http://ufosnw.com

Oregon Flying Object

Keizer — I was laying awake about **1:29 AM, on May 7, 2010**, staring out my window and saw a flying object above the I-5 area. It had lights that were like strobe lights, bright and would flash three times and pause then repeat this sequence. It flew north and hovered, and then flew south so quick it could not have been an aircraft. It was going back and forth. I thought I was going crazy until I woke my girlfriend and she witnessed what I was seeing.

I met with a friend this morning and mentioned what I had seen. He heard a loud noise that almost resembled a jet at about the same time and went outside to see what the noise was, and there was nothing in sight. He said it lasted about 5 minutes. Thanks to William Puckett UFOS Northwest http://ufosnw.com

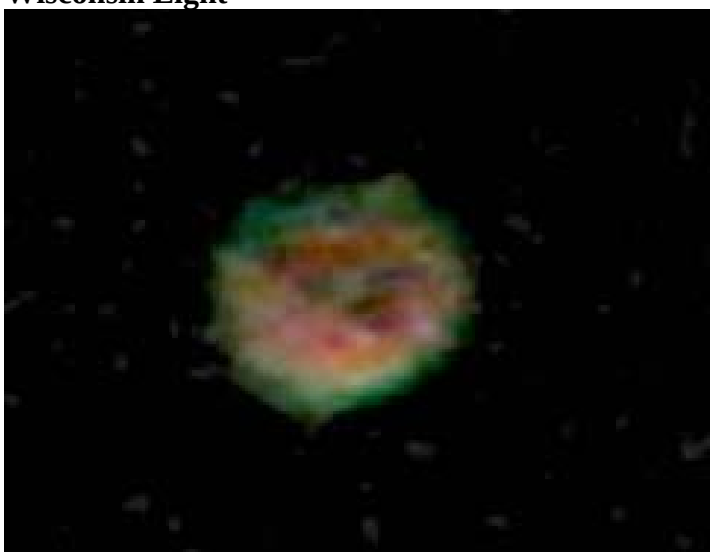
Pennsylvania Big Round Light

KNOWLTON — On May 10 2010, at 10:51 pm, I was taking my dog out in company of my Mother, and saw bright lights around our house, near the Back Mountain area. We saw this particularly Big Bright Round light, coming about as high as an airplane, but with no sound at all, just floating in the sky. It was floating for a few seconds more and then it faded until it disappeared above our heads. We do not have an idea what that thing was. Thanks to MUFON CMS

Texas Disc near Jet

HOUSTON — On May 5, 2010, I picked up my wife from work downtown to I-45 North when I noticed a sphere cutting across the sky. I told my wife and son to look and they spotted a Southwest Jet came in view. The sphere picked up speed and was on a collision course with the jet. We drove by the Spaghetti Warehouse and our view was blocked. When we could see, in a span of three seconds the jet was gone! I do not know what happened to the jet, but in that span of about three seconds, it was gone. However, the sphere was just sitting there spinning. We went under I-10 and as we come to the other side, it was gone. Thanks to MUFON CMS

Wisconsin Light



I too have noticed this star like object several times in the past and have photographed it with a Canon EOS10D on a tripod on February 15, 2010. I saw a similar report from Pennsylvania so.

Edgerton — I was traveling North on I-39 near, on April 27, 2010, and was taking a sequence of photos of an unusual looking cloud forming and later when I looked at the photos I noticed a white rod flying through one of the frames. (Second photo) I have attached the before and after photos as well. Nothing very exciting but it is another piece of the puzzle. Thanks to MUFON CMS

Wyoming Two Low Slow Flying Black Triangles

Cheyenne — On April 10, 2010, at 11:53 PM, I was driving east on Interstate 80 fifteen miles east of Cheyenne, when I looked north and saw two black wide triangular shaped flying objects. I could see their shape as the lights from my truck reflected off the on the bottom of the slow moving craft. There was a light on each of the points of the triangle. One light was red, one was blue and the third looked white or off white. One craft was following the other and they were flying low west along Interstate 80. They were flying slow enough that I was able to watch them for sometime. Thanks to Peter Davenport, Director National UFO Reporting Center sightings in Australia have gone up with at least seven separate incidents reported in the end of April. This photo was taken over Perth on the West Coast. There are strange happening in the sky above Perth. Merriwa resident Mark, who asked for his surname not to be published, said he had been photographing the sky above Perth for more than ten years.

The sighting of some "unexplained phenomena" has been happening almost every night, and most take place in Darwin's rural area. A woman reported the first sighting on April 21, 2010, saying that she saw the strange lights from her Humpty Doo home hovering over Howard Springs. "The lights were really low in the sky, really bright, with flashing dots," the Daily Telegraph quoted her as saying.

"Three of them formed a semi-circle and they hovered over the area for at least half an hour," she revealed. There were three separate sightings on April 23 including British backpacker Kylie Myers who said she had "never believed in anything like UFOs" before her strange encounter.

Myers, 27, said she stopped her car on the side of the road to grab her camera from the glove box, but the light disappeared. "It was pretty spooky," she stated. There were more sightings at Coolalinga on April 24, Acacia Hills on April 25, and again in Howard Springs on April 27. Snip. (ANI) http://inmycommunity.com.au/news-and-views/local-news/UFO-sightings-above-Perth/7555957

Canada Triangle Sighting

Cochrane, Alberta — I have taken UFO photos over a four-year period and added new photos periodically. This one was taken in May 2008. This flash video is not the quality of the original photos so all are available for further study by anyone. Thanks to Peter Davenport Director .
Thanks to Brian Vike and www.nationalufocenter.com

Iraq —Turkish Soldier Sees UFO

TIKRIT — During Mother's Day dinner at the Winslow Diner in New Jersey, Field Investigator Bill

Stephenson was introduced to a husband of our server who been given these Files to read. He had been a Turkish enlisted man stationed on the Iraq border five years ago when he saw UFOs brilliant light in the sky zigzagging at weird angles. He said, "It was not a normal aircraft, I believe, I've seen them along with my military attachment in Iraq. They were moving rapidly with very bright white lights, I believe in UFOs." Thanks to Bill Stephenson

Ireland Lights

RATHFARNHAM, DUBLIN — On May 8, 2010, at 11 pm, I was watching TV, and I saw four red circular objects flying over our house. Three circular objects in a triangular formation followed a red circular object. I went outside and there was no sound coming from the craft. It did not travel at any huge speed. The middle light in the triangular formation at the back seemed to align itself at one stage, so they were all in a straight line. I know what I saw...would be very interested to get an explanation of this sighting as it flew towards Templeogue. Thanks to John Hayes www.ufoinfo.com

Korea UFO Photo

Seoul — I went to Mount Namsan and my boyfriend took this picture. When we came home and checked the picture, I saw a little black spot on the right side of picture.

My digital camera model name is Samsung VLUU PL50. The image is the original. Thanks to MUFON CMS

Mexico: The Chinameca Alien - Chupacabras Madness

MONCLOVA — Gloria Jaramillo reports, "Amid the convulsion unleashed by the economic crisis and the violence that pervades every corner of Mexico, and in an episode reminiscent of the Chupacabras legend, young men and children from Monclova claim to have seen a figure they have described as otherworldly, and christened as 'El Alien' by the media".

In both of these cases, boys and teens describe a strange creature with smooth grey skin, large shining eyes similar to those of a dog, four-legged but walking on its two hind legs. After dark three boys saw a strange animal with two shining eyes, that terrified them and ran to their parents' house saying, "We've seen a smooth and grey alien that walked away on two legs, like a human." They filed a police report, and that is when skeptical and somewhat amused members of the police visited the site but nothing was found.

On Monday morning, four teenagers told police that they had seen the "Alien." Psychoanalyst Camilo Ramirez believes amid a Mexican drug war in which innocent civilians die in increasing numbers, such delusions may emerge. "When those at hand do not provide assistance, it is necessary to ask the aliens — meaning foreigners — for help. If authorities cannot help, there are the aliens." Snip. (Translation (c) 2010, Thanks to Scott Corrales, IHU) and Inexplicata Blog

New Zealand

AUCKLAND — Dr. Stephen Hawking suggested that perhaps there are Aliens made of gas living on

the giant gas planets. I am not surprised that this kind of alien life on those planets that are far away from our earth, in fact; many non-physical life forms are already living in our sky. Many simple life forms that I mentioned in my blog are living in our atmosphere, with a simple dome shape, with eyes or mouth, but no wings, hands or legs. They consume energy from space for living. They have tremendous abilities, but rarely show their faces. As they are covered by glowing light, you cannot see their real figure with your naked eyes, even when they land in front of you.

Peru Unidentified

TICLIO PASSING — On April 3, 2010, a series of photos were taken of an unidentified object moving quickly above Peru.

Editor's Note: Possibly a meteor or bolides'.

Thanks to Scott Corales.

UK England

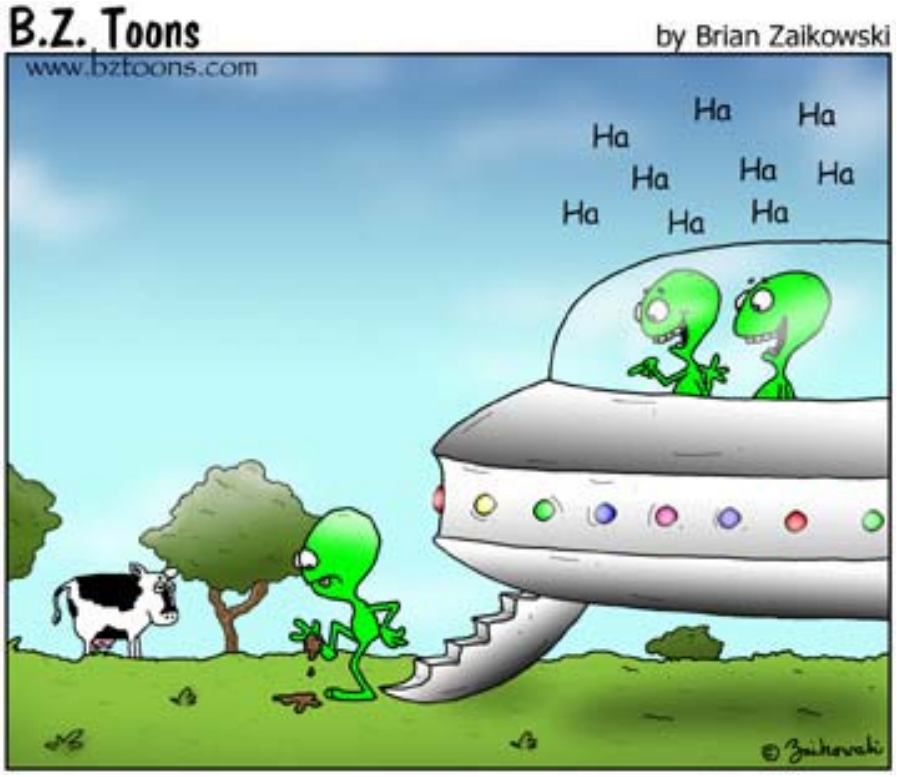
HILL FORT OLD SARUM — Here is the first crop circle of 2010. It is in oil seed rape and measures 180 feet in diameter. It is a circle containing six arcs intercepted by a small circle surrounded by a larger circle. A lozenge shape lies alongside the sixth arc with seven circles lying in an arc below. It lies below the ancient Hill Fort Old Sarum in Hampshire and in Boscombe Military Air Space directly below the helicopter flight approach. Images were taken from 2000 feet. http://www.cropcircleconnector.com/2010

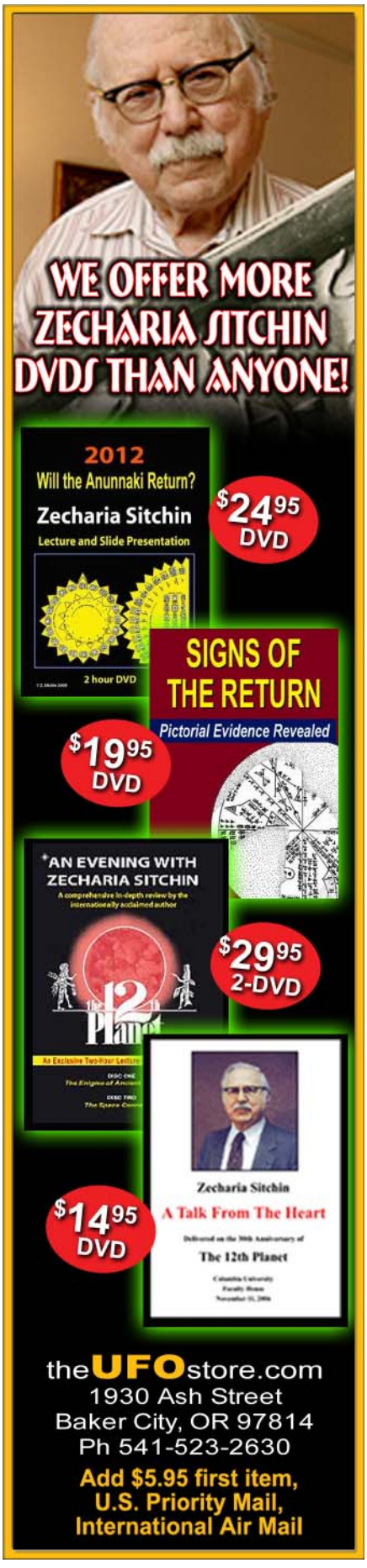
Thanks to Lucy Pringle

INVERNESS — The Highland News reports, "Sighting of "an orange fireball" in the sky over the city on Sunday night was reported by an RAF serviceman and his wife." Their description of the object is similar to that reported by Culloden man Rob Jackson who in March saw a UFO four times over Nairn and Inverness. Further claims of UFO sightings in the area followed.

This week, Heather and Karl King said they were in their garden on Sunday night when they spotted the unusual phenomenon at about 10.30 PM in the sky from their New Elgin home in Moray. Mr King (33), who is ground crew at RAF Lossiemouth, is an aviation enthusiast and plane spotter. Mrs. King said they saw what looked like an orange fireball and her husband reckoned it was above Inverness."It was an orange flame and was hovering; it came towards us then the light died out and it became a huge black sphere and started to spin towards the ground as we lost it."

Michael Mulford, a RAF representative, said: "The UK is ringed with a sophisticated network of radar. Our primary interests would be search, rescue, and protection of UK air space. Anything suggesting a plane in distress or our air space was being violated would have been picked up but we have no record of any unexplained activity on Sunday night." http://www.highland-news.co.uk/news/fullstory.php/aid/5543/More_UFO_shocks_in_Highlands.html





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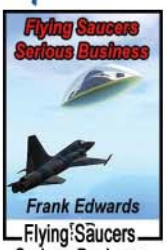

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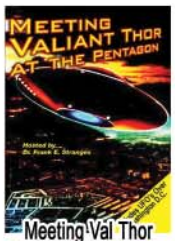

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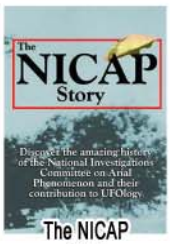

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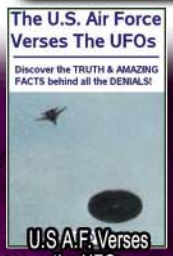

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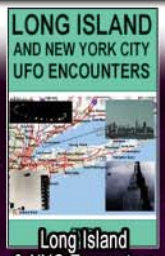

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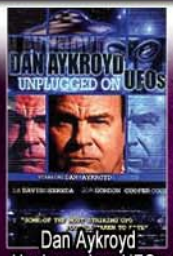

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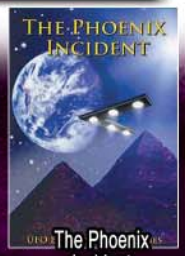

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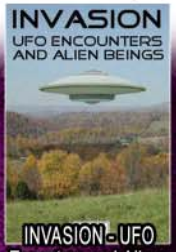

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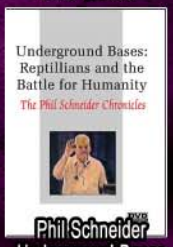

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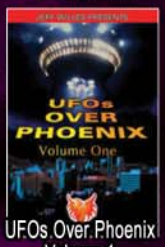

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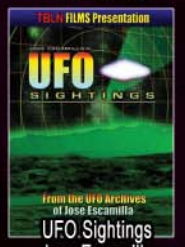

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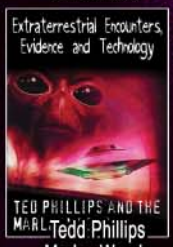

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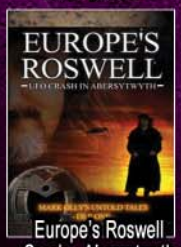

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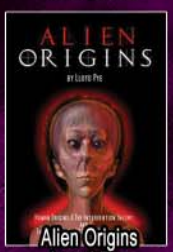

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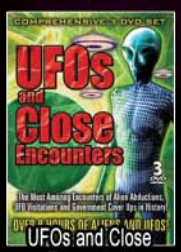

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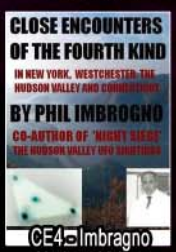

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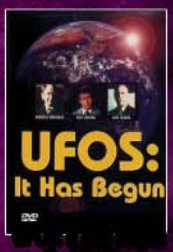

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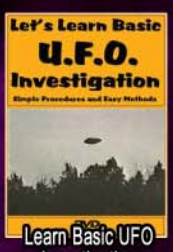

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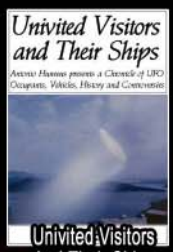

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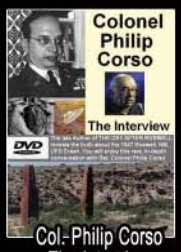

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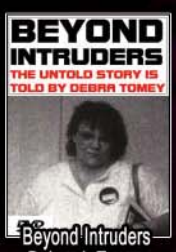

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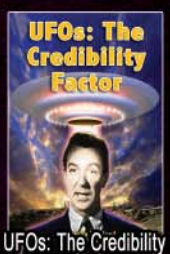

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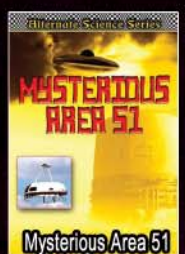

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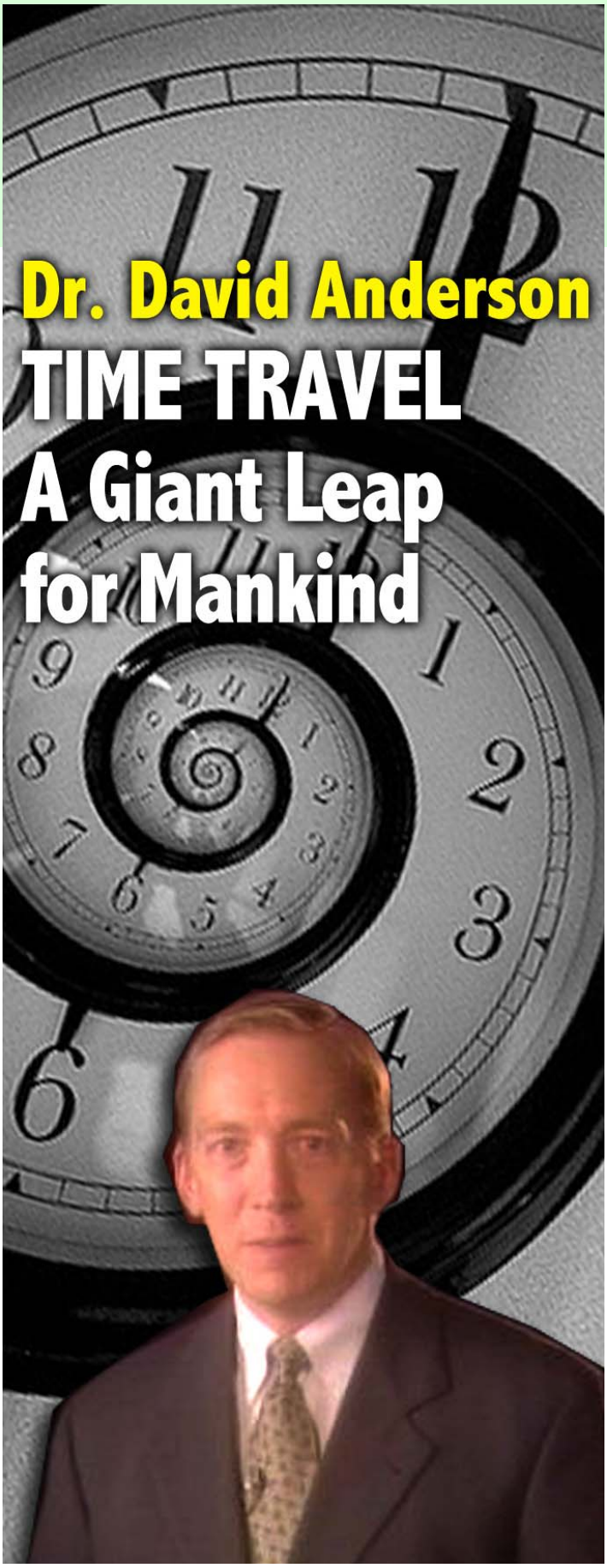

Time travel is the concept of moving between different points in time in a manner analogous to moving between different points in space, either sending objects (or in some cases just information) backwards in time to some moment before the present, or sending objects forward from the present to the future without the need to experience the intervening period (at least not at the normal rate).

Although time travel has been a common plot device in fiction since the 19th century, and one way travel into the future is arguably possible given the phenomenon of time dilation based on velocity in the theory of special relativity (exemplified by the twin paradox), as well as gravitational time dilation in the theory of general relativity, it is currently unknown whether the laws of physics would allow backwards time travel.

Any technological device, whether fictional or hypothetical, that is used to achieve time travel is commonly known as a time machine.

Some interpretations of time travel also suggest that an attempt to travel backwards in time might take one to a parallel universe whose history would begin to diverge from the traveler's original history after the moment the traveler arrived in the past here is no widespread agreement as to which written work should be recognized as the earliest example of a time travel story, since a number of early works feature elements ambiguously suggestive of time travel. Ancient folk tales and myths sometimes involved something akin to travelling forward in time; for example, in Hindu mythology, the Mahabharata mentions the story of the King Revaita, who travels to heaven to meet the creator Brahma and is shocked to learn that many ages have passed when he returns to Earth.[2][3] Another one of the earliest known stories to involve traveling forwards in time to a distant future was the Japanese tale of "Urashima Taro ",[4] first described in the Nihongi (720).[5] It was about a young fisherman named Urashima Taro who visits an undersea palace and stays there for three days. After returning home to his village, he finds himself three hundred years in the future, where he is long forgotten, his house in ruins, and his family long dead. Another very old example

of this type of story can be found in the Talmud with the story of Honi HaM'agel who went to sleep for 70 years and woke up to a world where his grandchildren were grandparents and where all his friends and family were deceased.[6] More recently, Washington Irving's famous 1819 story "Rip Van Winkle" deals with a similar concept, telling the tale of a man named Rip Van Winkle who takes a nap at a mountain and wakes up twenty years in the future, where he has been forgotten, his wife deceased, and his daughter grown up.[4]

Another more recent story involving travel to the future is Louis Sébastien Mercier's L'An 2440, rêve s'il en fût jamais ("The Year 2440: A Dream If Ever There Were One"), a utopian novel in which the main character is transported to the year 2440. An extremely popular work (it went through twenty five editions after its first appearance in 1771), the work describes the adventures of an unnamed man, who, after engaging in a heated discussion with a philosopher friend about the injustices of Paris, falls asleep and finds himself in a Paris of the future. Robert Darnton writes that "despite its self proclaimed character of fantasy...L'An 2440 demanded to be read as a serious guidebook to the future."[7]

Backwards time travel seems to be a more modern idea, but the origin of this notion is also somewhat ambiguous. One early story with hints of backwards time travel is Memoirs of the Twentieth Century (1733) by Samuel Madden, which is mainly a series of letters from English ambassadors in various countries to the British "Lord High Treasurer", along with a few replies from the British Foreign Office, all purportedly written in 1997 and 1998 and describing the conditions of that era.[8] However, the framing story is that these letters were actual documents given to the narrator by his guardian angel one night in 1728; for this reason, Paul Alkon suggests in his book Origins of Futuristic Fiction that "the first time traveler in English literature is a guardian angel who returns with state documents from 1998 to the year 1728",[9] although the book does not explicitly show how the angel obtained these documents. Alkon later qualifies this by writing, "It would be stretching our generosity to praise Madden for being the first to show a traveler arriving from the future", but also says that Madden "deserves recognition as the first to toy with the rich idea of time travel in the form of an artifact sent backwards from the future to be discovered in the present."[8]

In the science fiction anthology Far Boundaries (1951), the editor August Derleth identifies the short story "Missing One's Coach: An Anachronism", written for the Dublin Literary Magazine by an anonymous author in 1838, as a very early time travel story.[10] In this story, the narrator is waiting under a tree to be picked up by a coach which will take him out of Newcastle, when he suddenly finds himself transported back over a thousand years, where he encounters the Venerable Bede in a monastery, and gives him somewhat ironic explanations of the developments of the coming centuries. It is never entirely clear whether these events actually occurred or were merely a dream—the narrator says that when he initially found a comfortable looking spot in the roots of the tree, he sat down, "and as my sceptical reader will tell me, nodded and slept", but then says that he is "resolved not to admit" this explanation. A number of dream-like elements of the story may suggest otherwise to the reader, such as the fact that none of the members of the monastery seem to be able to see him at first, and the abrupt ending where Bede has been delayed talking to the narrator and so the other monks burst in thinking that some harm has come to him, and suddenly the narrator finds himself back under the tree in the present (August 1837), with his coach having just passed his spot on the road, leaving him stranded in Newcastle for another night.[11]

Charles Dickens' 1843 book A Christmas Carol is considered by some[12] to be one of the first depictions of time travel, as the main character, Ebenezer Scrooge, is transported to Christmases past, present and yet to come. These might be considered mere visions rather than actual time travel, though, since Scrooge only viewed each time period passively, unable to interact with them.

A clearer example of time travel is found in the popular 1861 book Paris avant les hommes (Paris before Men) by the French botanist and geologist Pierre Boitard, published posthumously. In this story the

main character is transported into the prehistoric past by the magic of a "lame demon" (a French pun on Boitard's name), where he encounters such extinct animals as a Plesiosaur, as well as Boitard's imagined version of an apelike human ancestor, and is able to actively interact with some of them.[13]

Another clear early example of time travel in fiction is the short story The Clock That Went Backward-PDF (35.7 KB) by Edward Page Mitchell, which appeared in the New York Sun in 1881.

Mark Twain's A Connecticut Yankee in King Arthur's Court (1889), in which the protagonist finds himself in the time of King Arthur after a fight in which he is hit with a sledge hammer, was another early time travel story which helped bring the concept to a wide audience, and was also one of the first stories to show history being changed by the time traveler's actions.

The first time travel story to feature time travel by means of a time machine was Enrique Gaspar y Rimbau's 1887 book El Anacronópete.[14] This idea gained popularity with the H. G. Wells story The Time Machine, published in 1895 (preceded by a less influential story of time travel Wells wrote in 1888, titled The Chronic Argonauts), which also featured a time machine and which is often seen as an inspiration for all later science fiction stories featuring time travel, using a vehicle that allows an operator to travel purposefully and selectively. The term "time machine", coined by Wells, is now universally used to refer to such a vehicle.

Since that time, both science and fiction (see Time travel in fiction) have expanded on the concept of time travel.

Time travel in theory

Some theories, most notably special and general relativity, suggest that suitable geometries of spacetime, or specific types of motion in space, might allow time travel into the past and future if these geometries or motions are possible.[15] In technical papers, physicists generally avoid the commonplace language of "moving" or "traveling" through time ('movement' normally refers only to a change in spatial position as the time coordinate is varied), and instead discuss the possibility of closed timelike curves, which are worldlines that form closed loops in spacetime, allowing objects to return to their own past. There are known to be solutions to the equations of general relativity that describe spacetimes which contain closed timelike curves (such as Gödel spacetime), but the physical plausibility of these solutions is uncertain.

Relativity states that if one were to move away from the Earth at relativistic velocities and return, more time would have passed on Earth than for the traveler, so in this sense it is accepted that relativity allows "travel into the future" (although according to relativity there is no single objective answer to how much time has 'really' passed between the departure and the return). On the other hand, many in the scientific community believe that backwards time travel is highly unlikely. Any theory which would allow time travel would require that problems of causality be resolved. The classic example of a problem involving causality is the "grandfather paradox": what if one were to go back in time and kill one's own grandfather before one's father was conceived? But some scientists believe that paradoxes can be avoided, either by appealing to the Novikov self consistency principle or to the notion of branching parallel universes (see the possibility of paradoxes below).

Tourism in time

Stephen Hawking once suggested that the absence of tourists from the future constitutes an argument against the existence of time travel—a variant of the Fermi paradox. Of course this would not prove that time travel is physically impossible, since it might be that time travel is physically possible but that it is never in fact developed (or is cautiously never used); and even if it is developed, Hawking notes elsewhere that time travel might only be possible in a region of spacetime that is warped in the right way, and that if we cannot create such a region until the future, then time travelers would not be able to travel back before that date, so "This picture would explain why we haven't been over run by tourists from the future."[16] Carl Sagan also once suggested the possibility that time travelers could

be here, but are disguising their existence or are not recognized as time travelers.[17]

General relativity

However, the theory of general relativity does suggest scientific grounds for thinking backwards time travel could be possible in certain unusual scenarios, although arguments from semiclassical gravity suggest that when quantum effects are incorporated into general relativity, these loopholes may be closed.[18] These semiclassical arguments led Hawking to formulate the chronology protection conjecture, suggesting that the fundamental laws of nature prevent time travel,[19] but physicists cannot come to a definite judgment on the issue without a theory of quantum gravity to join quantum mechanics and general relativity into a completely unified theory.[20]

Time travel to the past in physics

Time travel to the past is theoretically allowed using the following methods:[21]

* Travelling faster than the speed of light
* The use of cosmic strings and black holes
* Wormholes and Alcubierre drive

Time travel via faster than light travel

If one were able to move information or matter from one point to another faster than light, then according to special relativity, there would be some inertial frame of reference in which the signal or object was moving backwards in time. This is a consequence of the relativity of simultaneity in special relativity, which says that in some cases different reference frames will disagree on whether two events at different locations happened "at the same time" or not, and they can also disagree on the order of the two events (technically, these disagreements occur when spacetime interval between the events is 'space like', meaning that neither event lies in the future light cone of the other).[22] If one of the two events represents the sending of a signal from one location and the second event represents the reception of the same signal at another location, then as long as the signal is moving at the speed of light or slower, the mathematics of simultaneity ensures that all reference frames agree that the transmission event happened before the reception event.[22]

However, in the case of a hypothetical signal moving faster than light, there would always be some frames in which the signal was received before it was sent, so that the signal could be said to have moved backwards in time. And since one of the two fundamental postulates of special relativity says that the laws of physics should work the same way in every inertial frame, then if it is possible for signals to move backwards in time in any one frame, it must be possible in all frames. This means that if observer A sends a signal to observer B which moves FTL (faster than light) in A's frame but backwards in time in B's frame, and then B sends a reply which moves FTL in B's frame but backwards in time in A's frame, it could work out that A receives the reply before sending the original signal, a clear violation of causality in every frame. An illustration of such a scenario using spacetime diagrams can be found here.

According to special relativity it would take an infinite amount of energy to accelerate a slower than light object to the speed of light, and although relativity does not forbid the theoretical possibility of tachyons which move faster than light at all times, when analyzed using quantum field theory it seems that it would not actually be possible to use them to transmit information faster than light,[23] and there is no evidence for their existence.

Special spacetime geometries

The general theory of relativity extends the special theory to cover gravity, illustrating it in terms of curvature in spacetime caused by mass energy and the flow of momentum. General relativity describes the universe under a system of field equations, and there exist solutions to these equations that permit what are called "closed time like curves," and hence time travel into the past.[15] The first of these was proposed by Kurt Gödel, a solution known as the Gödel metric, but his (and many others') example requires the universe to have physical characteristics that it does not appear to have.[15] Whether general relativity forbids closed time like curves for all realistic conditions is unknown.

Using wormholes

A wormhole

Time Travel

Main article: Wormhole

Wormholes are a hypothetical warped spacetime which are also permitted by the Einstein field equations of general relativity,[24] although it would be impossible to travel through a wormhole unless it was what is known as a traversable wormhole.

A proposed time travel machine using a traversable wormhole would (hypothetically) work in the following way: One end of the wormhole is accelerated to some significant fraction of the speed of light, perhaps with some advanced propulsion system, and then brought back to the point of origin. Alternatively, another way is to take one entrance of the wormhole and move it to within the gravitational field of an object that has higher gravity than the other entrance, and then return it to a position near the other entrance. For both of these methods, time dilation causes the end of the wormhole that has been moved to have aged less than the stationary end, as seen by an external observer; however, time connects differently through the wormhole than outside it, so that synchronized clocks at either end of the wormhole will always remain synchronized as seen by an observer passing through the wormhole, no matter how the two ends move around.[25] This means that an observer entering the accelerated end would exit the stationary end when the stationary end was the same age that the accelerated end had been at the moment before entry; for example, if prior to entering the wormhole the observer noted that a clock at the accelerated end read a date of 2007 while a clock at the stationary end read 2012, then the observer would exit the stationary end when its clock also read 2007, a trip backwards in time as seen by other observers outside. One significant limitation of such a time machine is that it is only possible to go as far back in time as the initial creation of the machine;[26] in essence, it is more of a path through time than it is a device that itself moves through time, and it would not allow the technology itself to be moved backwards in time. This could provide an alternative explanation for Hawking's observation: a time machine will be built someday, but has not yet been built, so the tourists from the future cannot reach this far back in time.

According to current theories on the nature of wormholes, construction of a traversable wormhole would require the existence of a substance with negative energy (often referred to as "exotic matter") . More technically, the wormhole spacetime requires a distribution of energy that violates various energy conditions, such as the null energy condition along with the weak, strong, and dominant energy conditions.[27] However, it is known that quantum effects can lead to small measurable violations of the null energy condition,[27] and many physicists believe that the required negative energy may actually be possible due to the Casimir effect in quantum physics.[28] Although early calculations suggested a very large amount of negative energy would be required, later calculations showed that the amount of negative energy can be made arbitrarily small.[29]

In 1993, Matt Visser argued that the two mouths of a wormhole with such an induced clock difference could not be brought together without inducing quantum field and gravitational effects that would either make the wormhole collapse or the two mouths repel each other.[30] Because of this, the two mouths could not be brought close enough for causality violation to take place. However, in a 1997 paper, Visser hypothesized that a complex "Roman ring" (named after Tom Roman) configuration of an N number of wormholes arranged in a symmetric polygon could still act as a time machine, although he concludes that this is more likely a flaw in classical quantum gravity theory rather than proof that causality violation is possible.[31]

Other approaches based on general relativity

Another approach involves a dense spinning cylinder usually referred to as a Tipler cylinder, a GR solution discovered by Willem Jacob van Stockum[32] in 1936 and Kornel Lanczos[33] in 1924, but not recognized as allowing closed timelike curves[34] until an analysis by Frank Tipler[35] in 1974. If a cylinder is infinitely long and spins fast enough about its long axis, then a spaceship flying around the cylinder on a spiral path could travel back in time (or forward, depending on the direction of its spiral). However, the density and speed required is so great that ordinary matter is not strong enough to construct it. A similar device might be built from a cosmic string, but none are known to

exist, and it does not seem to be possible to create a new cosmic string.

Physicist Robert Forward noted that a naïve application of general relativity to quantum mechanics suggests another way to build a time machine. A heavy atomic nucleus in a strong magnetic field would elongate into a cylinder, whose density and "spin" are enough to build a time machine. Gamma rays projected at it might allow information (not matter) to be sent back in time; however, he pointed out that until we have a single theory combining relativity and quantum mechanics, we will have no idea whether such speculations are nonsense.[citation needed]

A more fundamental objection to time travel schemes based on rotating cylinders or cosmic strings has been put forward by Stephen Hawking, who proved a theorem showing that according to general relativity it is impossible to build a time machine of a special type (a "time machine with the compactly generated Cauchy horizon") in a region where the weak energy condition is satisfied, meaning that the region contains no matter with negative energy density (exotic matter). Solutions such as Tipler's assume cylinders of infinite length, which are easier to analyze mathematically, and although Tipler suggested that a finite cylinder might produce closed timelike curves if the rotation rate were fast enough,[36] he did not prove this. But Hawking points out that because of his theorem, "it can't be done with positive energy density everywhere! I can prove that to build a finite time machine, you need negative energy."[37] This result comes from Hawking's 1992 paper on the chronology protection conjecture, where he examines "the case that the causality violations appear in a finite region of spacetime without curvature singularities" and proves that "[t]here will be a Cauchy horizon that is compactly generated and that in general contains one or more closed null geodesics which will be incomplete. One can define geometrical quantities that measure the Lorentz boost and area increase on going round these closed null geodesics. If the causality violation developed from a noncompact initial surface, the averaged weak energy condition must be violated on the Cauchy horizon."[38] However, this theorem does not rule out the possibility of time travel 1) by means of time machines with the non compactly generated Cauchy horizons (such as the Deutsch Politzer time machine) and 2) in regions which contain exotic matter (which would be necessary for traversable wormholes or the Alcubierre drive). Because the theorem is based on general relativity, it is also conceivable a future theory of quantum gravity which replaced general relativity would allow time travel even without exotic matter (though it is also possible such a theory would place even more restrictions on time travel, or rule it out completely as postulated by Hawking's chronology protection conjecture).

Experiments carried out

Certain experiments carried out give the impression of reversed causality but are interpreted in a different way by the scientific community. For example, in the delayed choice quantum eraser experiment performed by Marlan Scully, pairs of entangled photons are divided into "signal photons" and "idler photons", with the signal photons emerging from one of two locations and their position later measured as in the double slit experiment, and depending on how the idler photon is measured, the experimenter can either learn which of the two locations the signal photon emerged from or "erase" that information. Even though the signal photons can be measured before the choice has been made about the idler photons, the choice seems to retroactively determine whether or not an interference pattern is observed when one correlates measurements of idler photons to the corresponding signal photons. However, since interference can only be observed after the idler photons are measured and they are correlated with the signal photons, there is no way for experimenters to tell what choice will be made in advance just by looking at the signal photons, and under most interpretations of quantum mechanics the results can be explained in a way that does not violate causality.

The experiment of Lijun Wang might also give the appearance of causality violation since it made it possible to send packages of waves through a bulb of caesium gas in such a way that the package appeared to exit the bulb 62 nanoseconds before its entry. But a wave package is not a single well defined object but rather a sum of multiple waves of different frequencies (see Fourier analysis), and the package can appear to

move faster than light or even backwards in time even if none of the pure waves in the sum do so. This effect cannot be used to send any matter, energy, or information faster than light,[39] so this experiment is understood not to violate causality either.

The physicists Günter Nimtz and Alfons Stahlhofen, of the University of Koblenz, claim to have violated Einstein's theory of relativity by transmitting photons faster than the speed of light. They say they have conducted an experiment in which microwave photons energetic packets of light traveled "instantaneously" between a pair of prisms that had been moved up to 3 ft (0.91 m) apart, using a phenomenon known as quantum tunneling. Nimtz told New Scientist magazine: "For the time being, this is the only violation of special relativity that I know of." However, other physicists say that this phenomenon does not allow information to be transmitted faster than light. Aephraim Steinberg, a quantum optics expert at the University of Toronto, Canada, uses the analogy of a train traveling from Chicago to New York, but dropping off train cars at each station along the way, so that the center of the train moves forward at each stop; in this way, the center of the train exceeds the speed of any of the individual cars.[40]

Some physicists have attempted to perform experiments which would show genuine causality violations, but so far without success. The Space time Twisting by Light (STL) experiment run by physicist Ronald Mallett is attempting to observe a violation of causality when a neutron is passed through a circle made up of a laser whose path has been twisted by passing it through a photonic crystal. Mallett has some physical arguments which suggest that closed timelike curves would become possible through the center of a laser which has been twisted into a loop. However, other physicists dispute his arguments (see objections).

Non physics based experiments

Several experiments have been carried out to try to entice future humans, who might invent time travel technology, to come back and demonstrate it to people of the present time. Events such as Perth's Destination Day (2005) or MIT's Time Traveler Convention heavily publicized permanent "advertisements" of a meeting time and place for future time travelers to meet. Back in 1982, a group in Baltimore, MD., identifying itself as the Krononauts, hosted an event of this type welcoming Visitors from the Futures.[41][42] These experiments only stood the possibility of generating a positive result demonstrating the existence of time travel, but have failed so far—no time travelers are known to have attended either event. It is hypothetically possible that future humans have traveled back in time, but have traveled back to the meeting time and place in a parallel universe.[43] Another factor is that for all the time travel devices considered under current physics (such as those that operate using wormholes), it is impossible to travel back to before the time machine was actually made.[44][45]

Time travel to the future in physics

Twin paradox diagram

Relativistic rocket: This cockpit view of a hypothetical spacecraft traveling at eight tenths the speed of light shows the visual distortions that would be experienced at such high speeds. The star field is actually being wrapped toward the front of the craft in addition to being significantly blue shifted. Somewhat more rigorous diagrams of what would be seen by such a craft can be found here Credit: NASA; digital art by Les Bossinas (Cortez III Service Corp.), 1998

There are various ways in which a person could "travel into the future" in a limited sense: the person could set things up so that in a small amount of his own subjective time, a large amount of subjective time has passed for other people on Earth. For example, an observer might take a trip away from the Earth and back at relativistic velocities, with the trip only lasting a few years according to the observer's own clocks, and return to find that thousands of years had passed on Earth. It should be noted, though, that according to relativity there is no objective answer to the question of how much time "really" passed during the trip; it would be equally valid to say that the trip had lasted only a few years or that the trip had lasted thousands of years, depending on your choice of reference frame.

This form of "travel into the future" is theoretically allowed using the following methods:[21]

* Using velocity based time dilation under the theory of special relativity, for instance:
    o Traveling at almost the speed of light to a distant star, then slowing down, turning around, and traveling at almost the speed of light back to Earth[46] (see the Twin paradox)
* Using gravitational time dilation under the theory of general relativity, for instance:
    o Residing inside of a hollow, high mass object;
    o Residing just outside of the event horizon of a black hole, or sufficiently near an object whose mass or density causes the gravitational time dilation near it to be larger than the time dilation factor on Earth.

Additionally, it might be possible to see the distant future of the Earth using methods which do not involve relativity at all, although it is even more debatable whether these should be deemed a form of "time travel":

* Hibernation
* Suspended animation

Time dilation
Transversal Time dilation
Main article: Time dilation

Time dilation is permitted by Albert Einstein's special and general theories of relativity. These theories state that, relative to a given observer, time passes more slowly for bodies moving quickly relative to that observer, or bodies that are deeper within a gravity well.[47] For example, a clock which is moving relative to the observer will be measured to run slow in that observer's rest frame; as a clock approaches the speed of light it will almost slow to a stop, although it can never quite reach light speed so it will never completely stop. For two clocks moving inertially (not accelerating) relative to one another, this effect is reciprocal, with each clock measuring the other to be ticking slower. However, the symmetry is broken if one clock accelerates, as in the twin paradox where one twin stays on Earth while the other travels into space, turns around (which involves acceleration), and returns—in this case both agree the traveling twin has aged less. General relativity states that time dilation effects also occur if one clock is deeper in a gravity well than the other, with the clock deeper in the well ticking more slowly; this effect must be taken into account when calibrating the clocks on the satellites of the Global Positioning System, and it could lead to significant differences in rates of aging for observers at different distances from a black hole.

It has been calculated that, under general relativity, a person could travel forward in time at a rate four times that of distant observers by residing inside a spherical shell with a diameter of 5 meters and the mass of Jupiter.[21] For such a person, every one second of their "personal" time would correspond to four seconds for distant observers. Of course, squeezing the mass of a large planet into such a structure is not expected to be within our technological capabilities in the near future.

There is a great deal of experimental evidence supporting the validity of equations for velocity based time dilation in special relativity[48] and gravitational time dilation in general relativity.[49][50][51] However, with current technologies it is only possible to cause a human traveller to age less than companions on Earth by a very small fraction of a second, the current record being about 20 milliseconds for the cosmonaut Sergei Avdeyev.
Time perception

Time perception can be apparently sped up for living organisms through hibernation, where the body temperature and metabolic rate of the creature is reduced. A more extreme version of this is suspended animation, where the rates of chemical processes in the subject would be severely reduced.

Time dilation and suspended animation only allow "travel" to the future, never the past, so they do not violate causality, and it's debatable whether they should be called time travel. However time dilation can be viewed as a better fit for our understanding of the term "time travel" than suspended animation, since with time dilation less time actually does pass for the traveler than for those who remain behind, so the traveler can be said to have reached the future faster than others, whereas with suspended animation this is not the case.
Other ideas about time travel from mainstream phys-

ics

The possibility of paradoxes

The Novikov self consistency principle and calculations by Kip S. Thorne[citation needed] indicate that simple masses passing through time travel wormholes could never engender paradoxes—there are no initial conditions that lead to paradox once time travel is introduced. If his results can be generalized, they would suggest, curiously, that none of the supposed paradoxes formulated in time travel stories can actually be formulated at a precise physical level: that is, that any situation you can set up in a time travel story turns out to permit many consistent solutions. The circumstances might, however, turn out to be almost unbelievably strange.[citation needed]

Parallel universes might provide a way out of paradoxes. Everett's many worlds interpretation of quantum mechanics suggests that all possible quantum events can occur in mutually exclusive histories.[52] These alternate, or parallel, histories would form a branching tree symbolizing all possible outcomes of any interaction. If all possibilities exist, any paradoxes could be explained by having the paradoxical events happening in a different universe. This concept is most often used in science fiction, but some physicists such as David Deutsch have suggested that if time travel is possible and the many worlds interpretation is correct, then a time traveler should indeed end up in a different history than the one he started from.[1] On the other hand, Stephen Hawking has argued that even if the many worlds interpretation is correct, we should expect each time traveler to experience a single self consistent timeline, so that time travelers remain within their own world rather than traveling to a different one.[16]

Daniel Greenberger and Karl Svozil proposed that quantum theory gives a model for time travel without paradoxes.[53][54] In quantum theory observation causes possible states to 'collapse' into one measured state; hence, the past observed from the present is deterministic (it has only one possible state), but the present observed from the past has many possible states until our actions cause it to collapse into one state. Our actions will then be seen to have been inevitable.

Using quantum entanglement

Quantum mechanical phenomena such as quantum teleportation, the EPR paradox, or quantum entanglement might appear to create a mechanism that allows for faster than light (FTL) communication or time travel, and in fact some interpretations of quantum mechanics such as the Bohm interpretation presume that some information is being exchanged between particles instantaneously in order to maintain correlations between particles.[55] This effect was referred to as "spooky action at a distance" by Einstein.

Nevertheless, the fact that causality is preserved in quantum mechanics is a rigorous result in modern quantum field theories, and therefore modern theories do not allow for time travel or FTL communication. In any specific instance where FTL has been claimed, more detailed analysis has proven that to get a signal, some form of classical communication must also be used.[56] The no communication theorem also gives a general proof that quantum entanglement cannot be used to transmit information faster than classical signals. The fact that these quantum phenomena apparently do not allow FTL time travel is often overlooked in popular press coverage of quantum teleportation experiments.[citation needed] How the rules of quantum mechanics work to preserve causality is an active area of research.[citation needed]

Philosophical understandings of time travel

Main article: Philosophy of space and time

Theories of time travel are riddled with questions about causality and paradoxes. Compared to other fundamental concepts in modern physics, time is still not understood very well. Philosophers have been theorizing about the nature of time since the era of the ancient Greek philosophers and earlier. Some philosophers and physicists who study the nature of time also study the possibility of time travel and its logical implications. The probability of paradoxes and their possible solutions are often considered.

For more information on the philosophical considerations of time travel, consult the work of David Lewis or Ted Sider. For more information on physics related theories of time travel, consider the work of Kurt

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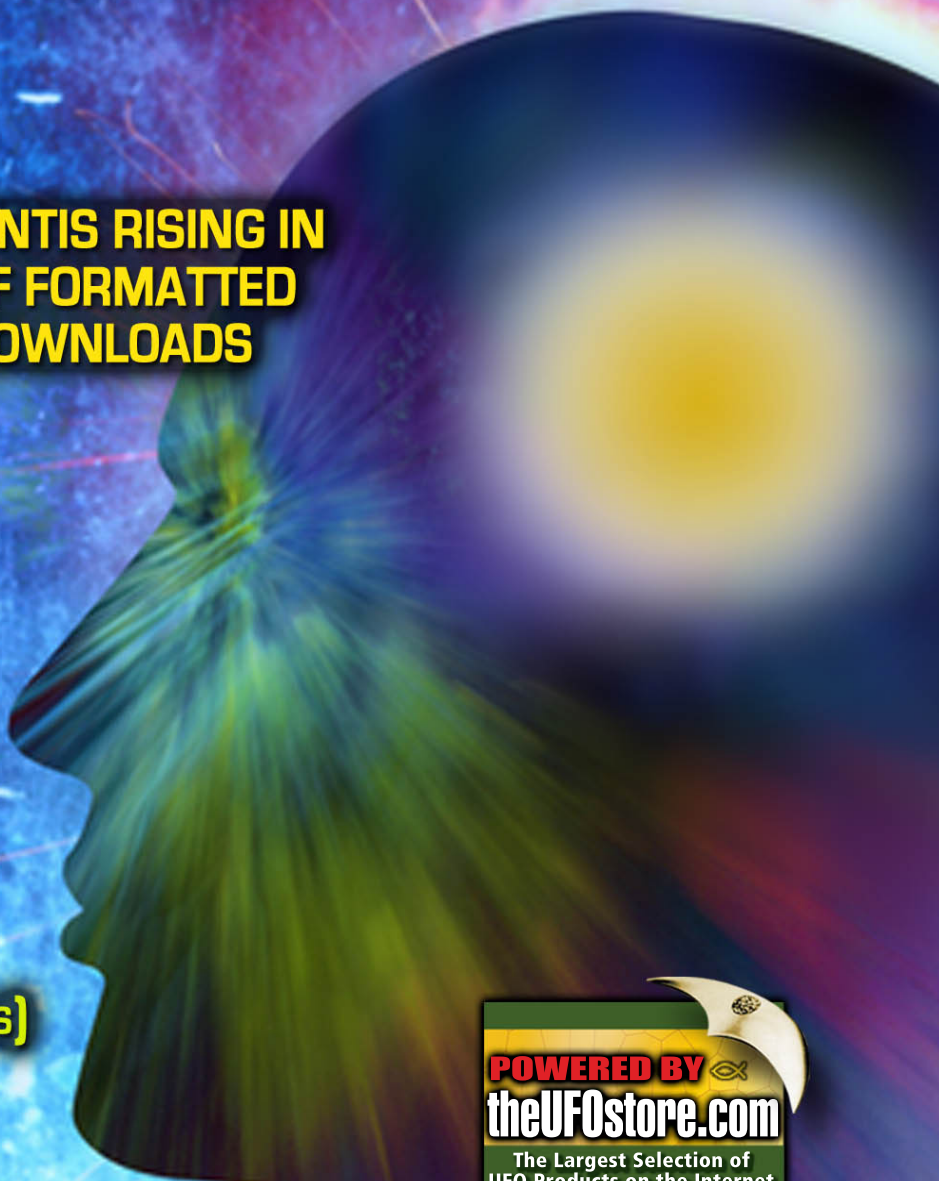

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Gödel (especially his theorized universe) and Lawrence Sklar.

Presentism vs. eternalism

The relativity of simultaneity in modern physics favors the philosophical view known as eternalism or four dimensionalism (Sider, 2001), in which physical objects are either temporally extended space time worms, or space time worm stages, and this view would be favored further by the possibility of time travel (Sider, 2001). Eternalism, also sometimes known as "block universe theory", builds on a standard method of modeling time as a dimension in physics, to give time a similar ontology to that of space (Sider, 2001). This would mean that time is just another dimension, that future events are "already there", and that there is no objective flow of time. This view is disputed by Tim Maudlin in his The Metaphysics Within Physics.

Presentism is a school of philosophy that holds that neither the future nor the past exist, and there are no non present objects. In this view, time travel is impossible because there is no future or past to travel to. However, some 21st century presentists have argued that although past and future objects do not exist, there can still be definite truths about past and future events, and thus it is possible that a future truth about a time traveler deciding to appear in the present could explain the time traveler's actual existence in the present.[57] [58]

The grandfather paradox

Main article: Grandfather paradox

One subject often brought up in philosophical discussion of time is the idea that, if one were to go back in time, paradoxes could ensue if the time traveler were to change things. The best examples of this are the grandfather paradox and the idea of autoinfanticide. The grandfather paradox is a hypothetical situation in which a time traveler goes back in time and attempts to kill his grandfather at a time before his grandfather met his grandmother. If he did so, then his father never would have been born, and neither would the time traveler himself, in which case the time traveler never would have gone back in time to kill his grandfather.

Autoinfanticide works the same way, where a traveler goes back and attempts to kill himself as an infant. If he were to do so, he never would have grown up to go back in time to kill himself as an infant.

This discussion is important to the philosophy of time travel because philosophers question whether these paradoxes make time travel impossible. Some philosophers answer the paradoxes by arguing that it might be the case that backwards time travel could be possible but that it would be impossible to actually change the past in any way,[59] an idea similar to the proposed Novikov self consistency principle in physics.

Theory of compossibility

David Lewis' analysis of compossibility and the implications of changing the past is meant to account for the possibilities of time travel in a one dimensional conception of time without creating logical paradoxes. Consider Lewis' example of Tim. Tim hates his grandfather and would like nothing more than to kill him. The only problem for Tim is that his grandfather died years ago. Tim wants so badly to kill his grandfather himself that he constructs a time machine to travel back to 1955 when his grandfather was young and kill him then. Assuming that Tim can travel to a time when his grandfather is still alive, the question must then be raised; Can Tim kill his grandfather?

For Lewis, the answer lies within the context of the usage of the word "can". Lewis explains that the word "can" must be viewed against the context of pertinent facts relating to the situation. Suppose that Tim has a rifle, years of rifle training, a straight shot on a clear day and no outside force to restrain Tim's trigger finger. Can Tim shoot his grandfather? Considering these facts, it would appear that Tim can in fact kill his grandfather. In other words, all of the contextual facts are compossible with Tim killing his grandfather. However, when reflecting on the compossibility of a given situation, we must gather the most inclusive set of facts that we are able to.

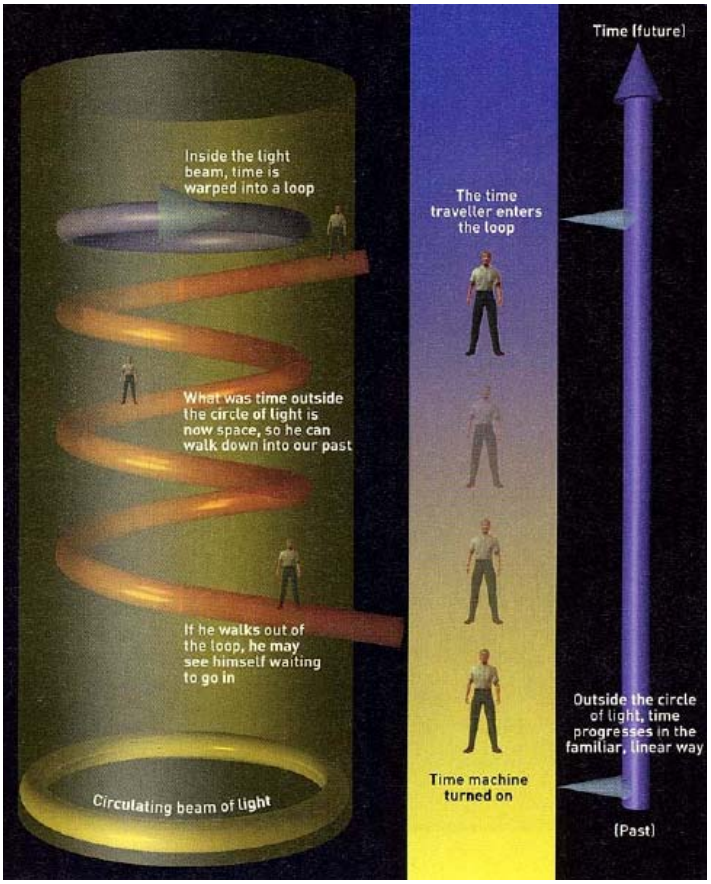
Consider now the fact that Tim's grandfather died in 1993 and not in 1955. This new fact about Tim's situation reveals that him killing his grandfather is not compossible with the current set of facts. Tim cannot kill his grandfather because his grandfather died in

1993 and not when he was young. Thus, Lewis concludes, the statements "Tim doesn't but can, because he has what it takes," and, "Tim doesn't, and can't, because it is logically impossible to change the past," are not contradictions, they are both true given the relevant set of facts. The usage of the word "can" is equivocal: he "can" and "can not" under different relevant facts. So what must happen to Tim as he takes aim? Lewis believes that his gun will jam, a bird will fly in the way, or Tim simply slips on a banana peel. Either way, there will be some logical force of the universe that will prevent Tim every time from killing his grandfather.

Ideas from fiction

Further information: Time travel in fiction

Rules of time travel


Time (future)
Inside the light beam, time is warped into a loop
The time traveller enters the loop
What was time outside the circle of light is now space, so he can walk down into our past
If he walks out of the loop, he may see himself waiting to go in
Outside the circle of light, time progresses in the familiar, linear way
Time machine turned on
Circulating beam of light
(Past)

Time travel themes in science fiction and the media can generally be grouped into two general categories (based on effect—methods are extremely varied and numerous), each of which can be further subdivided.[60][61][62][63] However, there are no formal names for these two categories, so concepts rather than formal names will be used with notes regarding what categories they are placed under. Note: These classifications do not address the method of time travel itself, i.e. how to travel through time, but instead call to attention differing rules of what happens to history.

1. There is a single fixed history, which is self consistent and unchangeable. In this version, everything happens on a single timeline which doesn't contradict itself and can't interact with anything potentially existing outside of it.

1.1 This can be simply achieved by applying the Novikov self consistency principle, named after Dr. Igor Dmitrievich Novikov, Professor of Astrophysics at Copenhagen University. The principle states that the timeline is totally fixed, and any actions taken by a time traveler were part of history all along, so it is impossible for the time traveler to "change" history in any way. The time traveler's actions may be the cause of events in their own past though, which leads to the potential for circular causation and the predestination paradox; for examples of circular causation, see Robert A. Heinlein's story "By His Bootstraps". The Novikov self consistency principle proposes that the local laws of physics in a region of spacetime containing time travelers cannot be any different from the local laws of physics in any other region of spacetime.[64]

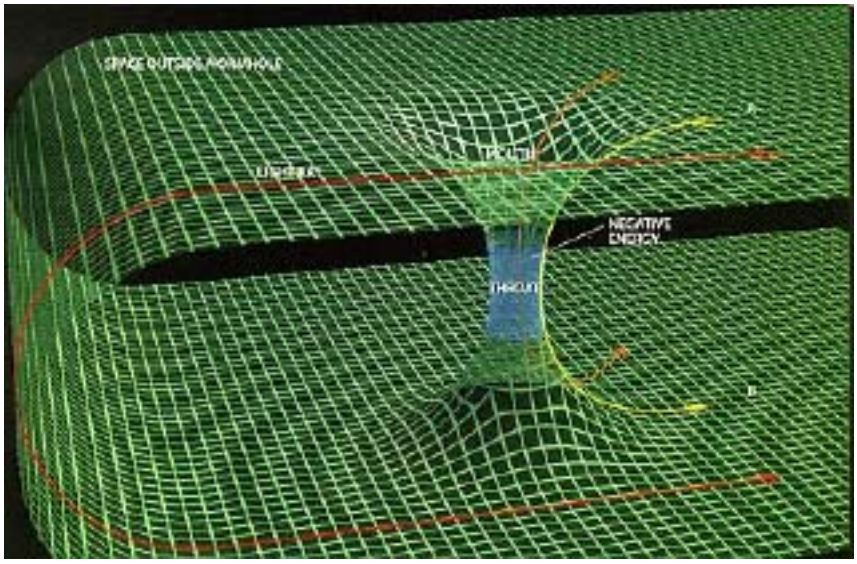
1.2 Alternatively, new physical laws take effect regarding time travel that thwarts attempts to change the past (contradicting the assumption mentioned in 1.1 above that the laws that apply to time travelers are the same ones that apply to everyone else). These new physical laws can be as unsubtle as to reject time travelers who travel to the past to change it by pulling them back to the point from when they came as Michael Moorcock's The Dancers at the End of Time or where the traveler is rendered an noncorporeal phantom unable to physically interact with the past such as in some Pre Crisis Superman stories and Michael Garrett's "Brief Encounter" in Twilight Zone Magazine May 1981.

2. History is flexible and is subject to change (Plas-

tic Time)

2.1 Changes to history are easy and can impact the traveler, the world, or both

Examples include Doctor Who, Back to the Future and Back to the Future II. In some cases, any resulting paradoxes can be devastating, threatening the very existence of the universe. In other cases the traveler simply cannot return home. The extreme version of this (Chaotic Time) is that history is very sensitive to changes with even small changes having large impacts such as in Ray Bradbury's "A Sound of Thunder".



2.2 History is change resistant in direct relationship to the importance of the event ie. small trivial events can be readily changed but large ones take great effort.

In the Twilight Zone episode "Back There" a traveler tries to prevent the assassination of President Lincoln and fails, but his actions have made subtle changes to the status quo in his own time (e.g. a man who had been the butler of his gentleman's club is now a rich tycoon, and a man whose family had long been members of the club is now the butler).

In the 2002 remake of The Time Machine, it is explained via a vision why Hartdegen could not save his sweetheart Emma — doing so would have resulted in his never developing the time machine he used to try and save her.

In The Saga of Darren Shan, major events in the past cannot be changed, but minor events can be affected. Under this model, if a time traveler were to go back in time and kill Hitler, another Nazi would simply take his place and commit his same actions, leaving the broader course of history unchanged.

3. Many worlds interpretation and Parallel universe (fiction) are often used interchangeably in fiction but mechanically they differ in that the first says time travel creates a coexisting alternate history while the second says the traveler actually goes to an already existing parallel world. In either case the traveler's original home reality continues to exist unaffected. These versions of time travel are sometimes placed under one of the two above categories.

James P. Hogan's The Proteus Operation fully explains parallel universe time travel in chapter 20 where it has Einstein explaining that all the outcomes already exist and all time travel does is change which already existing branch you will experience.

Though Star Trek has a long tradition of using the 2.1 mechanic, as seen in "City on the Edge of Forever", "Tomorrow is Yesterday", "Time and Again", "Future's End", "Before and After", "Endgame" and as late as Enterprise's Temporal Cold War, "Parallels" had an example of what Data called "quantum realities." His exact words on the matter were "But there is a theory in quantum physics that all possibilities that can happen do happen in alternate quantum realities," leaving it up the viewer as to the exact nature of quantum realities.

Michael Crichton's novel Timeline takes the approach that all time travel really is travel to an already existing parallel universe where time passes at a slower rate than our own but changes in any of these parallel universes affect the main timeline making it behave as if it was a type 2 universe.[clarification needed]

In the Homeline setting of GURPS Infinite Worlds there are echos — parallel universes at an early part of Homeline's history but changes to their history do not affect Homeline's history.

Immutable timelines

Time travel in a type 1 universe does not allow paradoxes such as the grandfather paradox to occur, where one deduces both a conclusion and its opposite (in the case of the grandfather paradox, one can start with the premise of the time traveler killing his grandfather, and reach the conclusion that the time traveler will not be able to kill his grandfather since he was never born) though it can allow other paradoxes to occur.

In 1.1, the Novikov self consistency principle asserts that the existence of a method of time travel constrains events to remain self consistent. This will cause any attempt to violate such consistency to fail, even if seemingly extremely improbable events are required.

Example: You have a device that can send a single bit of information back to itself at a precise moment in time. You receive a bit at 10:00:00 p.m., then no bits for thirty seconds after that. If you send a bit back to 10:00:00 p.m., everything works fine. However, if you try to send a bit to 10:00:15 p.m. (a time at which no bit was received), your transmitter will mysteriously fail. Or your dog will distract you for fifteen seconds. Or your transmitter will appear to work, but as it turns out your receiver failed at exactly 10:00:15 p.m., etc. Examples of this kind of universe are found in Timemaster, a novel by Dr. Robert Forward, the Twilight Zone episode "No Time Like the Past", and the 1980 Jeannot Szwarc film Somewhere In Time (based on Richard Matheson's novel Bid Time Return).

In 1.2, time travel is constrained to prevent paradox. How this occurs is dependent on if interaction with the past is possible.

If interaction with the past is possible and one attempts to make a paradox, one undergoes involuntary or uncontrolled time travel. In the time travel stories of Connie Willis, time travelers encounter "slippage" which prevents them from either reaching the intended time or translates them a sufficient distance from their destination at the intended time, as to prevent any paradox from occurring.

Example: A man who travels into the past with intentions to kill Hitler finds himself on a Montana farm in late April 1945.

If interaction with the past is not possible then the traveler simply becomes an invisible insubstantial phantom unable to interact with the past as in the case of James Harrigan in Michael Garrett's "Brief Encounter".

While a Type 1 universe will prevent a grandfather paradox it doesn't prevent paradoxes in other aspects of physics such as the predestination paradox and the ontological paradox (GURPS Infinite Worlds calls this "Free Lunch Paradox").

The predestination paradox is where the traveler's actions create some type of causal loop, in which some event A in the future helps cause event B in the past via time travel, and the event B in turn is one of the causes of A. For instance, a time traveler might go back to investigate a specific historical event like the Great Fire of London, and their actions in the past could then inadvertently end up being the original cause of that very event. Examples of this kind of causal loop are found in Timemaster, a novel by Dr. Robert Forward, the Twilight Zone episode "No Time Like the Past", the 1980 Jeannot Szwarc film Somewhere In Time (based on Richard Matheson's novel Bid Time Return), the Michael Moorcock novel Behold the Man, and Harry Potter and the Prisoner of Azkaban. It is also featured in 1972's Doctor Who, in the three part The Day of the Daleks, where three freedom fighters from the future attempt to kill a British diplomat they believe responsible for World War Three, and the subsequent easy conquest of Earth by the Daleks. In the future they were taught an explosion at the diplomat's (Sir Reginald Styles) mansion with foreign delegates inside caused the nations of the world to attack each other. The Doctor (Jon Pertwee), figures out that they caused the explosion all along by way of a temporal paradox. This is also seen in the

2006 crime thriller Déjà Vu.

The Novikov self consistency principle can also result in an ontological paradox (also known as the knowledge or information paradox)[65] where the very existence of some object or information is a time loop. GURPS Infinite Worlds gives the example (from The Eyre Affair) of a time traveler going to Shakespeare's time with a book of all his works. Shakespeare pressed for time simply copies the information in the book from the future. The "free lunch" is that no one really writes the plays!

The philosopher Kelley L. Ross argues in "Time Travel Paradoxes" that in an ontological paradox scenario involving a physical object, there can be a violation of the second law of thermodynamics. Ross uses Somewhere in Time as an example where Jane Seymour's character gives Christopher Reeve's character a watch she has owned for many years, and when he travels back in time he gives the same watch to Jane Seymour's character 60 years in the past. As Ross states

"The watch is an impossible object. It violates the Second Law of Thermodynamics, the Law of Entropy. If time travel makes that watch possible, then time travel itself is impossible. The watch, indeed, must be absolutely identical to itself in the 19th and 20th centuries, since Reeve carries it with him from the future instantaneously into the past and bestows it on Seymour. The watch, however, cannot be identical to itself, since all the years in which it is in the possession of Seymour and then Reeve it will wear in the normal manner. It's [sic] entropy will increase. The watch carried back by Reeve will be more worn that [sic] the watch that would have been acquired by Seymour."

On the other had, the second law of thermodynamics is understood by modern physicists to be a statistical law rather than an absolute one, so spontaneous reversals of entropy or failure to increase in entropy are not impossible, just improbable (see for example the fluctuation theorem). In addition, the second law of thermodynamics only states that entropy should increase in systems which are isolated from interactions with the external world, so Igor Novikov (creator of the Novikov self consistency principle) has argued that in the case of macroscopic objects like the watch whose worldlines form closed loops, the outside world can expend energy to repair wear/entropy that the object acquires over the course of its history, so that it will be back in its original condition when it closes the loop.[66]

Mutable timelines

Time travel in a Type 2 universe is much more complex. The biggest problem is how to explain changes in the past. One method of explanation is that once the past changes, so too do the memories of all observers. This would mean that no observer would ever observe the changing of the past (because they will not remember changing the past). This would make it hard to tell whether you are in a Type 1 universe or a Type 2 universe. You could, however, infer such information by knowing if a) communication with the past were possible or b) it appeared that the time line had never been changed as a result of an action someone remembers taking, although evidence exists that other people are changing their time lines fairly often.

An example of this kind of universe is presented in Thrice Upon a Time, a novel by James P. Hogan. The Back to the Future trilogy films also seem to feature a single mutable timeline (see the "Back to the Future FAQ" for details on how the writers imagined time travel worked in the movies' world). By contrast, the short story "Brooklyn Project" by William Tenn provides a sketch of life in a Type 2 world where no one even notices as the timeline changes repeatedly.

In type 2.1, attempts are being made at changing the timeline, however, all that is accomplished in the first tries is that the method in which decisive events occur is changed; final conclusions in the bigger scheme cannot be brought to a different outcome.

As an example, the movie Déjà Vu depicts a paper note sent to the past with vital information to prevent a terrorist attack. However, the vital information results in the killing of an ATF agent, but does not prevent the terrorist attack; the very same agent died in the previous version of the timeline as well, albeit under different circumstances. Finally, the timeline is changed by sending a human into the past, arguably a "stronger"

measure than simply sending back a paper note, which results in preventing both a murder and the terrorist attack. As in the Back to the Future movie trilogy, there seems to be a ripple effect too as changes from the past "propagate" into the present, and people in the present have altered memory of events that occurred after the changes made to the timeline.

The science fiction writer Larry Niven suggests in his essay "The Theory and Practice of Time Travel" that in a type 2.1 universe, the most efficient way for the universe to "correct" a change is for time travel to never be discovered, and that in a type 2.2 universe, the very large (or infinite) number of time travelers from the endless future will cause the timeline to change wildly until it reaches a history in which time travel is never discovered. However, many other "stable" situations might also exist in which time travel occurs but no paradoxes are created; if the changeable timeline universe finds itself in such a state no further changes will occur, and to the inhabitants of the universe it will appear identical to the type 1.1 scenario.[citation needed] This is sometimes referred to as the "Time Dilution Effect".

Few if any physicists or philosophers have taken seriously the possibility of "changing" the past except in the case of multiple universes, and in fact many have argued that this idea is logically incoherent,[59] so the mutable timeline idea is rarely considered outside of science fiction.

Also, deciding whether a given universe is of Type 2.1 or 2.2 can not be done objectively, as the categorization of timeline invasive measures as "strong" or "weak" is arbitrary, and up to interpretation: An observer can disagree about a measure being "weak", and might, in the lack of context, argue instead that simply a mishap occurred which then led to no effective change.

An example would be the paper note sent back to the past in the film Déjà Vu, as described above. Was it a "too weak" change, or was it just a local time alteration which had no extended effect on the larger timeline? As the universe in Déjà Vu seems not entirely immune to paradoxes (some arguably minute paradoxes do occur), both versions seem to be equally possible.

Alternate histories

In Type 3, any event that appears to have caused a paradox has instead created a new time line. The old time line remains unchanged, with the time traveler or information sent simply having vanished, never to return. A difficulty with this explanation, however, is that conservation of mass energy would be violated for the origin timeline and the destination timeline. A possible solution to this is to have the mechanics of time travel require that mass energy be exchanged in precise balance between past and future at the moment of travel, or to simply expand the scope of the conservation law to encompass all timelines.[citation needed] Some examples of this kind of time travel can be found in David Gerrold's book The Man Who Folded Himself and The Time Ships by Stephen Baxter, plus several episodes of the TV show Star Trek: The Next Generation.

Gradual and instantaneous

In literature, there are two methods of time travel:

1. The most commonly used method of time travel in science fiction is the instantaneous movement from one point in time to another, like using the controls on a CD player to skip to a previous or next song, though in most cases, there is a machine of some sort, and some energy expended in order to make this happen (like the time traveling De Lorean in Back to the Future or the phone booth that traveled through the "circuits of history" in Bill and Ted's Excellent Adventure). In some cases, there is not even the beginning of a scientific explanation for this kind of time travel; it's popular probably because it is more spectacular and makes time travel easier. The "Universal Remote" used by Adam Sandler in the movie Click works in the same manner, although only in one direction, the future. While his character Michael Newman can travel back to a previous point it is merely a playback with which he cannot interact.

2. In The Time Machine, H.G. Wells explains that we are moving through time with a constant speed. Time travel then is, in Wells' words, "stopping or acceler-

ating one's drift along the time dimension, or even turning about and traveling the other way." To expand on the audio playback analogy used above, this would be like rewinding or fast forwarding an analogue audio cassette and playing the tape at a chosen point. Perhaps the oldest example of this method of time travel is in Lewis Carroll's Through the Looking Glass (1871): the White Queen is living backwards, hence her memory is working both ways. Her kind of time travel is uncontrolled: she moves through time with a constant speed of 1 and she cannot change it. T.H. White, in the first part of his Arthurian novel The Once and Future King, The Sword in the Stone (1938) used the same idea: the wizard Merlyn lives backward in time, because he was born "at the wrong end of time" and has to live backwards from the front. "Some people call it having second sight", he says. This method of gradual time travel is not as popular in modern science fiction, though a form of it does occur in the film Primer.

Time travel, or space time travel?

An objection that is sometimes raised against the concept of time machines in science fiction is that they ignore the motion of the Earth between the date the time machine departs and the date it returns. The idea that a traveler can go into a machine that sends him or her to 1865 and step out into the exact same spot on Earth might be said to ignore the issue that Earth is moving through space around the Sun, which is moving in the galaxy, and so on, so that advocates of this argument imagine that "realistically" the time machine should actually reappear in space far away from the Earth's position at that date. However, the theory of relativity rejects the idea of absolute time and space; in relativity there can be no universal truth about the spatial distance between events which occurred at different times[67] (such as an event on Earth today and an event on Earth in 1865), and thus no objective truth about which point in space at one time is at the "same position" that the Earth was at another time. In the theory of special relativity, which deals with situations where gravity is negligible, the laws of physics work the same way in every inertial frame of reference and therefore no frame's perspective is physically better than any other frame's, and different frames disagree about whether two events at different times happened at the "same position" or "different positions". In the theory of general relativity, which incorporates the effects of gravity, all coordinate systems are on equal footing because of a feature known as "diffeomorphism invariance".[68]

Nevertheless, the idea that the Earth moves away from the time traveler when he takes a trip through time has been used in a few science fiction stories, such as the 2000 AD comic Strontium Dog, in which Johnny Alpha uses "Time Bombs" to propel an enemy several seconds into the future, during which time the movement of the Earth causes the unfortunate victim to re appear in space. Other science fiction stories try to anticipate this objection and offer a rationale for the fact that the traveler remains on Earth, such as the 1957 Robert Heinlein novel The Door into Summer where Heinlein essentially handwaved the issue with a single sentence: "You stay on the world line you were on." In his 1980 novel The Number of the Beast a "continua device" allows the protagonists to dial in the six (not four!) co ordinates of space and time and it instantly moves them there—without explaining how such a device might work.

In Clifford Simak's 1950s short story "Mastodonia" (later broadcast on the X Minus One radio anthology show, and then significantly re written into a longer novel of the same name) the protagonists are aware of the possibility of changes in ground level while traveling back in time to the same geographical coordinates and mount their time machine in a helicopter so as to not materialize underground. When the helicopter is damaged beyond repair while in the past, they then build a mound of rocks from which to launch their return to the present.

The television series Seven Days also dealt with this problem; when the chrononaut would be 'rewinding', he would also be propelling himself backwards around the Earth's orbit, with the intention of landing at some chosen spatial location, though seldom hitting the mark precisely.[citation needed] In Piers Anthony's Bearing an Hourglass, the potent Hourglass of the Incarnation of Time naturally moves the Incarnation in space according to the numerous movements of the globe through the solar system, the solar system

through the galaxy, etc.; but by carefully negating some of the movements he can also travel in space within the limits of the planet. The television series Doctor Who cleverly avoided this issue by establishing early on in the series that the Doctor's TARDIS is able to move about in space in addition to traveling in time.

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AMAZING
MARVELS
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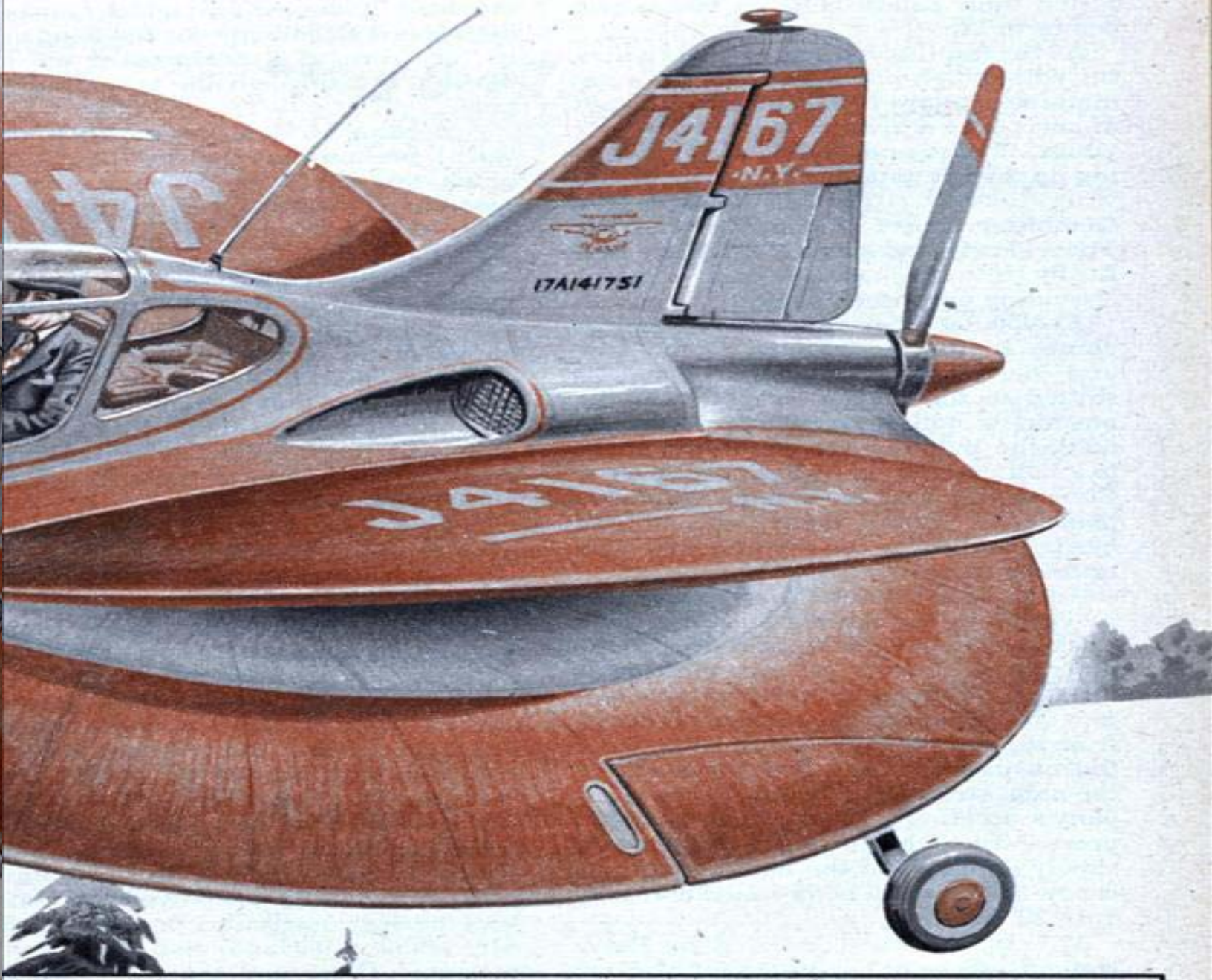
FLYING SAUCERS FOR EVERYBODY!

Within ten years you may be commuting by plastic saucer, flying from your backyard.

By Frank Tinsley

SAUCER rises vertically, flies conventionally.



IT IS a bright morning in 1965. At precisely eight a. m. Joe Lees emerges from the back door of his lakeside cottage, only 75 miles from his job in the city. In the graveled center of his backyard his jaunty new plastic saucer rests lightly on three tiny balloon tires.

Greeting his neighbor who rides with him, Joe lifts a flush flap in the saucer's rounded nose. He turns a recessed locking handle and throws back the bubble-like windshield. Spring loaded, like the hoods of today's cars, the enclosure lifts easily. As it does, the interlinked nose cone swings down to form a handy step.

Joe's neighbor steps up over the low instrument pedestal and then across the folded pilot's seat to his perch in the rear. Joe follows, slams the windshield shut and

FRANK TINSLEY '56

turns the starter key. The two men fasten their safety belts as the engine comes to life.

As the fan-like inductor begins whirling with a high-pitched whine, the automatic servo-flaps pop open and a torrent of air is drawn inward over the circular wings. Faster and faster it flows, building up the lift pattern of a racing, fixed-wing take-off. For a moment, the trembling saucer remains stationary. Then, slowly and smoothly, it rises vertically into the air like an elevator ascending an unseen shaft.

At 450 feet per minute, the saucer climbs to the southbound traffic lane and the engine's pulsing torque is shifted to the pusher propeller at the machine's tail. As the prop takes hold, the inductor fan gradually slows to a halt and the servo-flaps clamp shut. Functioning now as a fixed-wing airplane, our saucer banks around and heads south at a comfortable 165 mph cruising speed.

As it tools toward the city, other saucers join the parade and there is a thick stream of aerial traffic. Soon, the downtown towers of the metropolis loom on the horizon and a whole complex of distant traffic lanes converge from the four corners of suburbia. Over the business district, Joe turns out of the main stream and heads for the company's building. He throttles back his prop, shifts to the air inductor again and slowly descends to the landing pad. It is now 8:30 a. m. The 75-mile flight took only 30 minutes.

MI's saucer was conceived by Peter Nofi, an officer in the Merchant Marine. Nofi, a dedicated student of aerodynamics, has combined the downward jet thrust of the ducted-fan with the proven principle of the high-lift air-foil. We know that the fan will work because using it, men and machines have been lifted bodily into the air by the modest power of outboard engines.

Nofi's arrangement is inherently simple. He has merely taken the straight airplane wing and pulled the ends around to form a circle with the leading edge facing out. In the center hole of this doughnut-shaped airfoil, he has mounted a ducted-fan which sucks a high-speed airflow in over the wing and, in the form of a compressed air jet, blows it out through the bottom of the hole.

According to Nofi, the negative (upward) pressure created by the passage of air over the top of the wing, plus the reaction (upward) pressure of the air jet, add up to a total lift ample for vertical flight.

The other unique feature of Nofi's saucer is the pair of semi-circular servo-flaps hinged to the top of the wing root on either side of the fuselage. These open automatically to permit inward airflow when the ducted fan is operating, then close to form the top curve of a large fore-and-aft airfoil when the machine is in forward flight as a fixed-wing airplane.

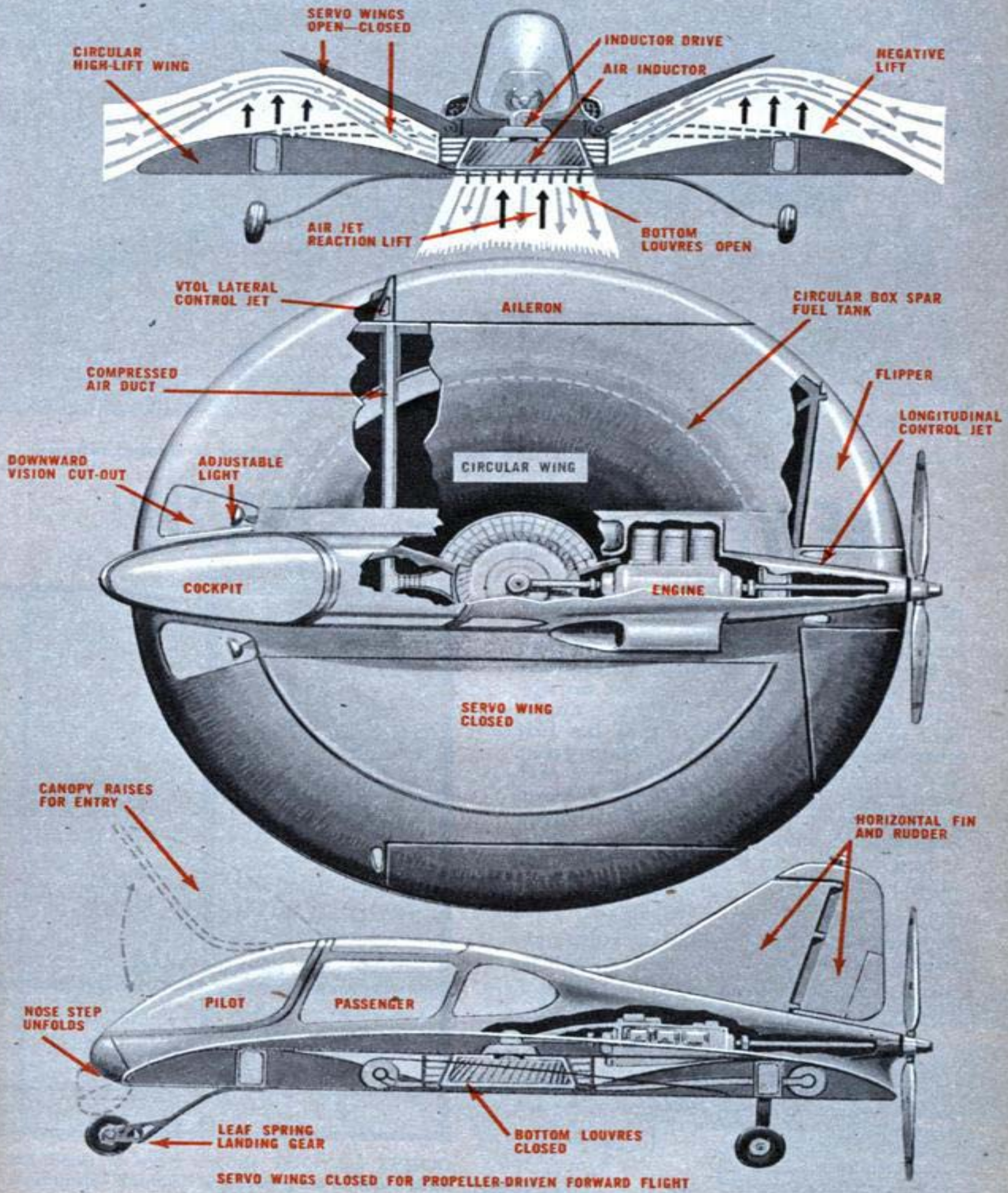
A twin control system is employed to provide for the differing conditions of vertical and forward flight. For vertical take-off and landing, compressed air from the inductor is piped to the aileron and flipper areas and expelled through differentially operated jet nozzles. These are built into the conventional control surfaces used in forward flight and are operated by the same wheel column.

In line with his low cost philosophy, Nofi plans to have the top and bottom surfaces of his saucer stamped out on a press, using a plastic material reinforced by glass "flock." This technique, now successfully employed by small boat builders, will also be used on the servo-flaps, fuselage and other components. Cemented together with the internal gas tank spar, plumbing, etc., in place, the hollow wing will then be filled with a foamed plastic compound which cures into a rigid, air-filled sponge. This replaces expensive interior structure and converts the wing into an unsinkable life-ring for emergency water landings.

Mass produced, the plastic saucer should cost no more than today's medium-priced cars. Could be that by 1965 you'll have one flying out of your backyard, too! •

SIMPLICITY of Peter Nofi's unusual, low-cost saucer is shown in the diagram at right.

AIRFLOW PATTERN FOR VERTICAL TAKE-OFF AND LANDING



SERVO WINGS CLOSED FOR PROPELLER-DRIVEN FORWARD FLIGHT

FRANK TINSLEY '56

The Philadelphia Experiment is a story that refuses to die. For over sixty years the tale of U.S. Government experiments with invisibility, time travel and mind control have been the crux of what started at the Philadelphia Navy Shipment as a project to demagnetize warships in the early 1940s. Despite denials by the Navy, in-depth investigations by debunkers and a world full of scientists who say it wasn't possible in the 1940's and still isn't today, a steady flow of new witnesses and evidence seems to support the story.

Ronald Mallett, theoretical physicist and professor at the University of Connecticut, stated in 2001 that recent experiments with light make time travel possible. Those experiments proved that light can be slowed, then returned to its normal speed. Mallett felt that this new information provided positive theoretical implications for time travel theorists. But that's theoretical and pails in comparison to what the Philadelphia Experiment and Montauk Project may have already accomplished.

I've presented hundreds of seminars on the UFO cover-up which includes information that I have about the Philadelphia Experiment and Montauk Project. I also maintain a website with short versions of those stories available to read. Given that, people often contact me when they come across anything related to those topics. Such was the case a few weeks ago when I received a call from a person I will call Virginia, a homeowner from a costal Maryland town. I cannot be more specific until we iron out all of her privacy concerns.

Virginia retired last year and purchased a home near the Maryland Coast. The house she bought was 85 years old and needed some major repairs. Virginia and her husband planned to spend about three months preparing the home for their use. Most of the needed repairs involved an interior facelift. A small room with an old desk and empty file cabinets on the second floor of the two story home was slated to become a part of a larger room next to it with the removal of a wall. Some old suitcases, empty packing crates and other debris had been left in there as well.

With contractor work scheduled to begin within a few days, Virginia, her husband and two friends went to work removing everything from the small room. They

moved the desk and file cabinets out first, then began bundling up the old suitcases and various pieces of debris left in the corners of the small room. While the four worked, Virginia began to feel a bit sick to her stomach. Her husband and friends complained of similar feelings over the next few moments. Before any of them had time to consider they're sudden, unexplained illness, an odd green mist filled one corner of the room.

As all present were focused on the green mist, they could see a human form taking shape. It looked like a man dressed in what all agreed later was a sailor's white uniform. It did not appear to be a modern uniform, but one that might have been worn fifty or sixty years ago. None were familiar with Naval Uniforms, but the group came to this conclusion after viewing photos of U.S. Sailors from the 1940's. Within seconds, the man became solid and started to move a bit. Virginia's husband had been an electrician for years before he retired and noted that he smelled the odor of over-heated circuitry in conjunction with the Sailor's appearing.

Before anyone could say or do anything, the sailor looked at the group and said, "2005. Watch out for 2005! They're playing with your future!" After that, the Sailor faded into the wall and the green mist dissipated in less then ten seconds. All agreed later that they had heard his voice and everyone heard the same thing. They described the Sailor's voice as deep and full, but sounding a bit muffled.

For at least an hour after the event the group talked about what had happened. Each described what they had felt happened and it was obvious that they had all seen and heard the same thing. The four felt as though they wanted to get out of that house, but none could bring themselves to leave the small room. Suppose the Sailor came back? Virginia brought some sandwiches up to the room while the others stayed to keep watch, but nothing further happened. They completed the work on the room and ended the day by agreeing not to speak to anyone about the event until they could meet in a few days to discuss it again.

The incident with the Sailor occurred on February 12, 2004. Virginia, her husband and their two friends got together a few days after it to discuss what should be done. Virginia and her husband had gone back and carefully examined the area in the small room where the Sailor had appeared. There was no physical evidence that they could see to indicate anything strange had happened. After reporting this to her friends, Virginia indicated that she had spent some time online to see if this had happened to anyone else. While digging for information, Virginia came across my website. She and her husband read the articles I had available about the Philadelphia Experiment and Montauk Project, sharing the information with her friends.

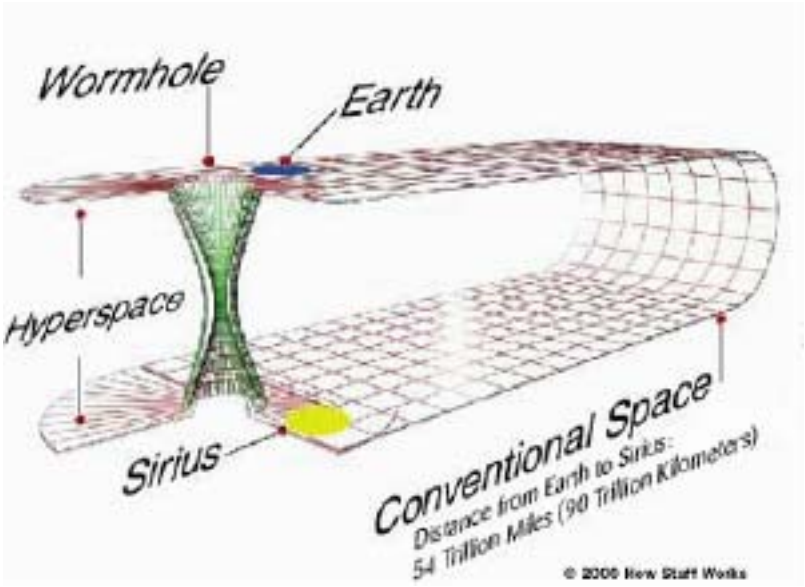
As a group, they decided to order the video set I had available on the two subjects before contacting me or anyone else. By the end of March, all had watched the videos and been stunned at the information they contained. According to Virginia, none of these people had any particular interest in or feelings about paranormal topics prior to the strange event involving the Sailor. But all agreed the incident had happened and none could find a logical explanation for it. At that point, the group decided to contact me.

After speaking with Virginia, I made arrangements to visit these people and examine the room for myself. I was able to spend three days in the area and spoke with each person in-depth during that time. Although I found no physical evidence to support their story beyond the existence of the room and the way they said it looked, I was impressed by their individual accounts. None of these people seemed willing to add or subtract from what they claimed happened and all their accounts matched up perfectly.

Although I am only in the first stages of investigating this event, I honestly believe that these people had related a true account to me of an actual event they experienced. I have no idea and cannot even speculate if the appearance of the Sailor was connected in any way to The Philadelphia Experiment or Montauk Project, but I do feel that the Sailor was probably not a ghost, random vision or an image from the past being played back in the present. This seemed to be a purposeful visit.

My concern is whether or not the warning about 2005 was directed at these individuals or to people in general. None of the group involved had knowledge of any relatives or close friends who may have served in the Navy in the present or recent past. All agreed to speak with their families to find out if there is such a connection, but none wanted to share their experience with relatives or other friends at this point.

This event could turn out to be a very important one if the message from the Sailor was directed to more then just the group involved. That is the nature of the Philadelphia Experiment and Montauk Project. The Government seems to know what such cryptic messages mean, but we are left to speculate or live with the consequences. Had I understood what Al Bielek and Preston Nichols related to me in the late 1980's, I would have done everything possible to warn people about 9/11. But I didn't understand it and neither did they. All we had was their account of traveling to a future point in New York City and viewing the aftermath of a terrific disaster.



It's fortunate that I captured the conversation with Preston and Al on video, or I would look back and wonder if I could have derived more from what they said and have done something to warn people. But I've watched the video many times and see that while the description was perfect, no specific date was available. Remember, they were seeing the aftermath of the World Trade Center attacks without any knowledge of who caused them or when.

If the message from the Sailor is a warning to all of us and the U.S. Government knows the nature of the threat, I hope they will take action or prepare us for the worst. Given what has happened to date, I do not see this happening.

Part Two:
The Philadelphia Experiment:
New Evidence Surfaces II

The intent of my last article on the Philadelphia Experiment was to update and inform, but also to seek reciprocation. It's a foolish paranormal researcher who keeps information from the public and then expects them to fly to his doorstep with what they may know about a particular case. Based on the response to my article, I am happy that I decided to share what has come my way. But before I share what's new, allow me to recap.

My last article concerned the paranormal experience of a retired Maryland Couple and their two friends. The event occurred while they were remodeling a recently purchased home. The couple and their two friends were working in a small room on the second floor of the eighty-five year old structure when a green mist filled one corner of the room. This was followed by the sudden appearance of what they described as a man in an outdated U.S. Navy uniform. The man became as solid as they and said, "2005! Watch out for 2005! They're playing with our future!" The sailor then vanished along with the mist.

After two visits to the location of this event and a number of follow-up interviews with the witnesses, I remain convinced that these people are being completely honest about what happened. The couple have actually offered to take a lie detector test, but I do not see that as necessary just yet. While I am objective, I am not a cynic or septic (Oops, did I mean Skeptic?). It's been my experience that even the most well-meaning researcher can investigate the life right out of any case. Asking too many questions, drawing too many conclusions or reading too much into mundane aspects

of any paranormal event can drive the case, witnesses and investigation away from fruitful areas.

It was my intention to spend much of a second visit with the Maryland Couple and their friends as an observer. While it may be possible that a sailor from the original Philadelphia Experiment trapped in some sort of limbo just happened to appear when and where he did, it's also possible that the time and location were carefully chosen. Either way, I was certain that the solution to that riddle wouldn't be found by pressing the couple and their friends for answers they didn't have. Instead, I allowed the witnesses to volunteer any information, impressions or feelings they had about the event and kept my eyes open.

During the second day of my second visit to the Maryland Witnesses, I noticed that several full-sized, unmarked vans began to appear near the home they were renovating. Not wanting to read too much into this, I didn't mention it to anyone and merely snapped a few photos of the vehicles. By the end of that same day a larger vehicle resembling an RV entered the area. I was more then a little curious after noticing a NASA emblem on it. I approached it and attempted contact with anyone that might be inside, but no one responded. I took some photos and went back to my motel.

After giving the whole situation some thought, I decided to contact a friend of mine who was also a journalist. He had no interest in the Philadelphia Experiment, but had helped me with several UFO cases in the past. Without providing him with the story behind my visit to Maryland, I merely pointed out that something strange had happened in a particular area of the State and now NASA was there! We both recalled how that after a flurry of UFO sightings and encounters in the Fyffe (Alabama) area in the 1980's, NASA trucks had shown up. The reason given back then for their presence was 'Atmospheric Research' without any further elaboration.

My friend called me just before lunchtime the next day. He said that several calls to press contacts within NASA had yielded nothing. No one had any information about NASA vehicles or personnel during anything special in that area of Maryland. At the same time he pressed me for what I was investigating. Without giving details any more specific then in my first article, I told him the story behind my visit. He was polite, but the Philadelphia Experiment just wasn't an area of interest for him. I thanked him for his help and went back out to see what NASA was up to.

It didn't surprise me at all to see that NASA had left town. The unmarked vans and RV were gone, but they were replaced by something even stranger.

While still in Maryland I received an email as a result of my first article. It came from a man who had viewed my videos on the Philadelphia Experiment and actually visited the Montauk Base as a result. Jim lived in Maryland and noticed the presence of an unmarked plane while visiting his mother's house. Although he didn't know it, his mom didn't live far from the new witnesses. The plane caught his eye because it was identical to a spy plane that regularly flies at a very low altitude over the Montauk Facility. Jim saw the plane while walking through the Montauk Base and took some photos. He was also able to photograph the plane near his mother's home.

After showing me some photos he took of the plane, I did see the resemblance. Both planes are likely Beechcrafts of the kind used by various Armed Forces and government agencies for observation or intelligence gathering. Jim said that he visited his mother's home on a regular basis and never noticed the plane before, but since the first sighting it had taken to flying over the area at least two times each day. It was during several of the those flights that he snapped the photos.

I saw the plane on the fourth and last day of my second trip. I was just leaving the house owned by the new witnesses when I saw the aircraft fly almost directly over it! There wasn't time for a photo, but I was certain that I had noticed the engine noise on a couple of previous occasions. I hadn't made the connection because I had just assumed it was one of the many small planes that took off and landed at a small airport nearby.

(continued next page)

I hate to stop here because I have more to tell about all this, but that will have to wait for another article. The reason will become obvious when I release the next installment of my comments on this investigation.

PART THREE
The Philadelphia Experiment:
New Evidence Surfaces\

Opening any investigation associated with The Philadelphia Experiment is like opening a can of worms. You expect to focus on one event and end up investigating fifty, all going in different directions. That's because we have conveniently lumped everything associated with what started as a secret Navy Experiment in the 1940's together. In reality, the 1940's Navy project was merely a root from which everything else grew. The problem is that we still do not know much about the original experiment itself.

Whether purposely or by accident, scientists working on a way to rapidly demagnetize U.S. Warships against sophisticated German Mines and make our military vessels invisible to enemy radar seemed to have accomplished a lot more. They discovered how to make ships completely invisible, move people and things through time and space, affect the human thinking process and contact alien beings visiting our world by using the same basic technology they do. The problem with all these wonderful or frightful discoveries is that they have always seemed to require more technology to control then we have ever had available.

Watching the progress of everything that came out of the original Philadelphia Experiment is observing the Government play technological catch up with what it has always hoped would be the greatest scientific discoveries in all history. Imagine the frustration of Leonardo Da Vinci inventing a motor vehicle that had to use a spring to operate because there was no internal combustion engine available to him. Most scholars say that Leonardo gave up on the idea of building the vehicle because it lacked what the genius considered to be a useful motor. Those who have tried to access the full potential of the Philadelphia Experiment discoveries might have taken a lesson from Leonardo and realized their own technological limitations. Instead, they have tried to build a living machine with parts from Radio Shack.

I have come to the conclusion that the key to making the P.E. technology work is the human mind and our ability to link it with controlling technology. The problem is and has always been that such controlling technology just doesn't exist yet. Instead, those working on the P.E. discoveries have tried to substitute people who have the ability to harness and use powerful psychic energy in the place of controlling technology. That mistake has snowballed into a series of calamities that have become unstoppable and may extend hundreds of years into our future.

Even the most powerful Psychic is always a servant to the human brain and it's working structure. The conscious and unconscious mind continually collide and have a tendency to distort images, ideas and messages. For most of us who possess little or no psychic powers, this isn't a problem. The relationship between the conscious and unconscious mind keeps us alert, sane and able to process information on a personal basis as it relates to us. For Psychics, this back and forth between the conscious and unconscious mind can be more of a hindrance then a help. It takes any information sent or received through Psychic channels and creates an unwelcome buffer that interprets

the information, rather then just sending or receiving it. Without the ability to access just certain parts of the Human Brain that could control the P.E. discoveries without interpretation or thought interference, the whole process is dangerously flawed.

After years of speaking with people associated with various projects that have grown out of the original P.E. discoveries, I have always felt there were a series of loose ends that needed to be tied up. These are bits and pieces of information that seem credible and add up to something, but evade our ability to trace and fully understand where they lead. I have also felt within these loose ends lies the real heart of understanding what the Government has tried to do with the P.E. discoveries. Recent information provided to me by new witnesses may now help unlock that door.

To recap, my last two articles concerned the paranormal experience of a retired Maryland Couple and their two friends. The event occurred while they were remodeling a recently purchased home. The couple and their two friends were working in a small room on the second floor of the eighty-five year old structure when a green mist filled one corner of the room. This was followed by the sudden appearance of what they described as a man in an outdated U.S. Navy uniform. The man became as solid as they and said, “2005! Watch out for 2005! They’re playing with our future!” The sailor then vanished along with the mist.

After several months of part time investigation into the event, I am certain it occurred. But I now believe that my investigation has been heading in the wrong direction. I naturally assumed that if this experience was a real one, it was a good candidate to be connected to the original Philadelphia Experiment. Like most people, I became too focused on the Eldridge and automatically wanted to associate this new occurrence with one of the early events known to have occurred with that ship. Then I was drawn to a new direction by some old ghost stories.

To help cover some of the increasing expenses associated with this investigation, I accepted a paid after-dinner speaking engagement for a small corporate dinner. The event took place near Norfolk, Virginia, and was perfectly timed. I was able to spend a few

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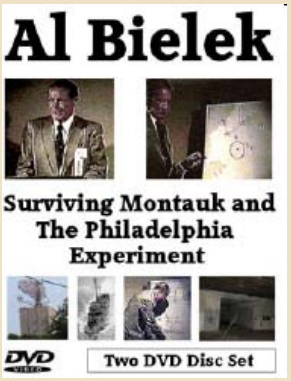

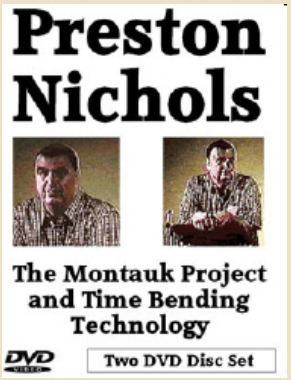

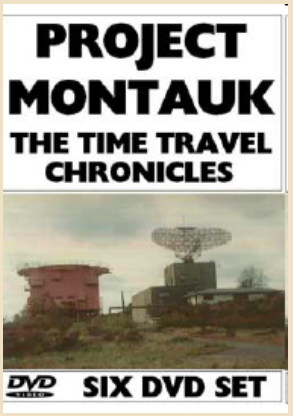

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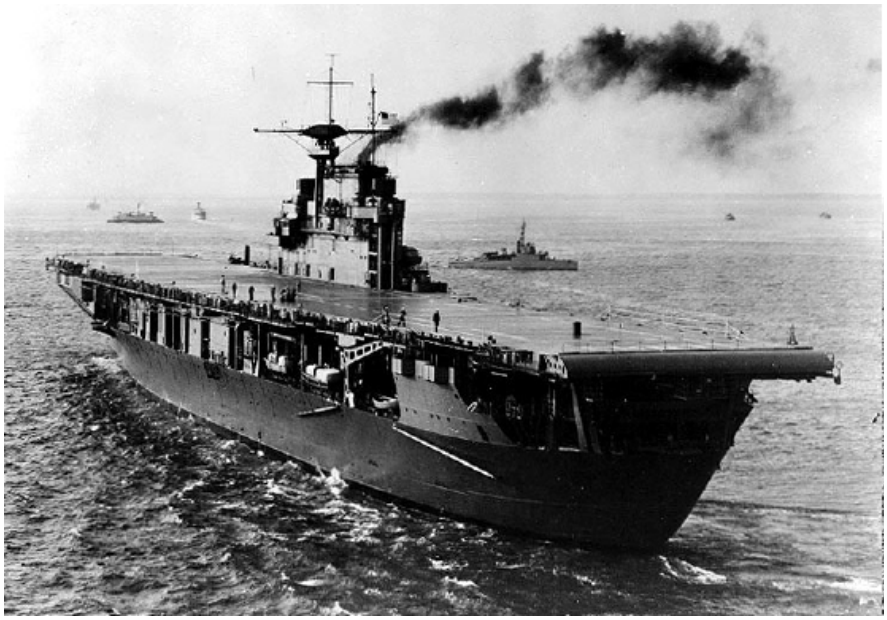
days with the Maryland witnesses and head on to the speaking gig. Although most people ask me to speak about UFOs, Government Cover-Ups or The Philadelphia Experiment, on this occasion I was asked to share some of the investigative experiences I have had with ghosts.

After speaking for about ninety minutes, I spent quite a bit of time answering questions about my speech and investigations. I was gratified to find that the crowd had really enjoyed my presentation. When it came time to leave, I still had several people who wanted to speak with me. One of them was a witness to an odd event that had occurred aboard the now retired aircraft carrier, USS Hornet. Although I had read quite a bit about the Hornet, it had been awhile since I gave the ship much thought.



The USS Hornet that I am referring to is the eighth U.S. Navy ship to carry that name. Commissioned in 1943, the Hornet is an aircraft carrier that is currently designated as a National Landmark and Museum that's docked in Alameda, California. It's also known as the most haunted ship in the U.S. Navy! No one who has spent any time investigating the paranormal would have been able to avoid all the tales involving the Hornet. One of the reasons for this reputation involves the fact that during almost thirty years of service, around three hundred people have lost their lives aboard. The ship's nickname is The Grey Ghost.

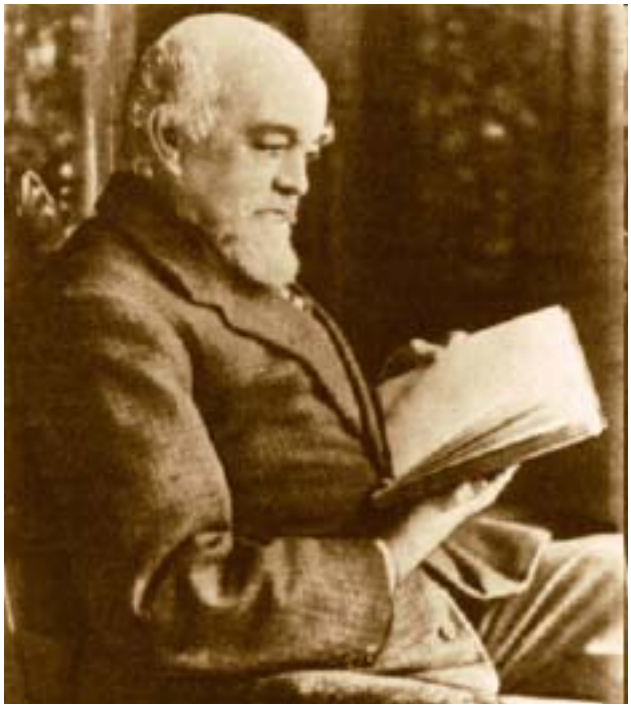
The witness I talked to after the speaking engagement had been employed for several years by a Government Contractor in California. He was later transferred to the Norfolk area. During his time in California, this former sailor who served in the Navy before, during and until shortly after the Gulf War visited the Hornet on several occasions. On his last visit, the witness said that he saw a man in an outdated sailor's uniform wondering around as if he was lost. Distracted by other visitors who wanted to get past him, the witness turned back and saw that the sailor was gone. He also said that the event made him feel physically ill.

While speaking to one of the volunteers on the ship, the witness discovered that he was not alone in his experience. Many visitors, volunteers and employees had similar experiences. They saw former crew members in period uniforms coming and going as if still on duty. Because no one was able to get a photo and observations were limited to just a few seconds each, no individual crew members had been formally identified. As in the case of most sightings of this kind, everyone just assumed that these incidents were either hallucinations, hoaxes or ghostly appearances.

My discussion with the witness got very interesting when I brought up the Philadelphia Experiment and my most recent investigation. He told me about several former crew members of the Hornet who said they had experienced the sighting of people they assumed were crew members walking through walls in 1943. After my return home, I called this witness and had several fascinating conversations with him. He provided me with the names of the former Hornet crew members had had spoken with. One of these men had since passed on, but the other was still with us and willing to discuss his experience with me.

This witness spoke of seeing men fade into and out of walls inside the ship on several occasions. It seems that seeing men passing through walls was not necessarily an uncommon event on board the Hornet. This may have been where it's reputation for being the most haunted ship in the Navy began. What concerned me was whether there was any relationship between the Hornet and anything related to the P.E. discoveries?

Like the USS Eldridge, the history of the Hornet is anything but a straight line. Originally designated as the USS Kearsarge, the ship was renamed after the previous Hornet was sunk during October of 1942. The new Hornet was built in the Newport News shipyard, commissioned on November 29, 1943 and distinguished itself during 16 months spent in the Pacific attacking Japanese forces. On several occasions the ship was within 40 miles of the Japanese home islands. Here is the strange thing. Although the ship came under air attack some fifty-nine times, the Hornet was never hit!



Although there are no accounts of the ship being directly involved in any type of unusual experiments of the type experienced by the USS Eldridge, it's hard to explain how the Hornet could find itself in harm's way so many times without being successfully hit. Her pilots also assembled an unusual record. They destroyed a total of 1410 Japanese aircraft. On one occasion, 72 Japanese aircraft were downed by Hornet pilots in one day!

One of the recollections of the witness who had seen the men fading in and out of the walls of the Hornet in 1943 was of feeling physically ill just before each event (there were three such events experienced by him). There was the connection I was looking for! The Maryland couple and their friends had felt sick to their stomachs just before the sailor appeared. So did the witness who had recently visited the hornet Museum. There was an obvious pattern emerging here and I am certain it it's related to the P.E. discoveries.

In 1946 the Hornet was decommissioned and remained so until 1953. If any type of odd or unusual technology was placed on the ship for use in the Pacific, it was certainly removed during the decommission or even before. While we may have no specific evidence that anything related to the P.E. discoveries was tested or used aboard the Hornet during the 1940s, we do now have some compelling stories that match up and involve sailors fading into and out of walls as in the case of the Eldridge and the sailors associated with it. But the weirdness doesn't end there.

It seems that unexplained headaches were a regular part of life aboard the USS Hornet. Most of these were unofficially attributed to a new and powerful radar system on board. It could be argued that in those early days of radar, things were probably not as insulated or safe as they could have been. One of the great stories involving microwaves and radar comes from a ship's cook who said he was serving aboard an Aircraft Carrier (not the Hornet as far as we know) during World War II. With limited time to defrost frozen meat, he would often take boxes of hot dogs and place them on top of some of the radar equipment that sat in a compartment near the galley. The equipment would get very warm and acted as a terrific defroster. But on several occasions he noticed that the hot dogs were not only defrosted, but actually cooked in a very short period of time. I'm sure he had no idea that this was microwave energy at work!

The only problem with the radar theory as a cause for the headaches is that crew members throughout the ship seem to have suffered from these headaches. If the cause had to do with microwaves or radar, why wasn't the problem limited to the areas were the radar equipment was kept? Let's consider another explanation.

Scientists have been aware of electrical activity in the human brain since Richard Caton, an English physiologist, first studied the matter in 1875. By the 1950s, American Scientists working for the CIA cooperated with the Canadian Government to implant special devices into the heads of Ontario mental patients. The devices were used to help control their behavior. After the Canadian Government made information about the project public in the 1970s, relatives of those used in the secret research successfully sued the USA and Canada over the matter.

Considering the technological leaps made from the turn of the century and up until the 1940s, it doesn't seem unreasonable to believe that Scientists may have found a crude way to use the human brain as a catalyst to operate what they could of technology gathered from the P.E. discoveries. It's interesting to note that during just the past fifty years there have been many incidents involving employees and military personnel becoming strangely ill on Federal Properties. Most complained of headaches and some went insane. Beyond the incidents of shootings by Postal workers, consider all the violent episodes and suicides on and near Military Bases.

Given the amazing possibilities offered by the P.E. discoveries, it's not unrealistic to believe the U.S. Government would permit secret experimentation on federal employees and members of the military that might allow access to that technology. There are still thousands of former Veterans suffering today from exposure to Atomic blasts and nuclear experimentations that occurred during the 1940s and 1950s. Many have been denied treatment, medicine and recompense in the name of secrecy.

I believe we have established a credible connection between the new event in Maryland, the sailors that seem to come and go from nowhere on board various ships and the P.E. discoveries. While a few very Psychic people may have been used to direct or access technology associated with the P.E. discoveries, it may have taken the power of many more minds to help focus any equipment being used to its full potential. In fact, we may have already moved to the next step to take individuals and groups of people out of the P.E. experimental loop.

During the 1970s and 1980s stories began to appear of living material made up of human DNA and some sort of circuitry being found in tiny pieces near military installations where new and secret aircraft were being tested. Is it possible that the P.E. discoveries require 'living machines' to operate? An even bigger question is what has happened to those unfortunates who were exposed to the P.E. discoveries and technology during the early days? That's a question I will try and answer I my next installment.

PART FOUR
The Philadelphia Experiment: New Evidence Surfaces 4

It's taken me some time to be able to write this article.
That's because I am in awe of the time travel proph
ecy that came my way just a year and a half ago.
I shouldn't be because it's happened before. I still remember sitting in a quiet room in the late 1980s when Preston Nichols, Al Bielek and Duncan Cameron spoke of a cataclysmic event that would occur sometime in the future of New York City. As my video camcorder captured their every word, I remember how reluctant they were to talk about it. Their reluctance seemed almost dutiful and preprogrammed. Watching that video today, I know they were describing the September 11, 2001 terrorist attacks.

To recap from previous articles: On February 12, 2004, a woman that I'll refer to as Virginia was joined by her husband and two friends to clean out a small

room that existed on the second floor of their newly purchased retirement home in Maryland. The eighty-five year old house needed an interior facelift. With Contractor work set to begin shortly, the four had the task of removing items from a smaller room that was going to become part of a larger open area when everything was completed.

As the small group pf people prepared the items for removal, they suddenly felt sick to their stomachs. A green mist appeared in the room accompanied by the form of a man and the odor of overheated circuitry. He looked like a sailor wearing a long out of date naval uniform. Before anyone could react, the sailor looked at the group and said, "2005. Watch out for 2005! They're playing with your future!" After that, the Sailor faded into the wall and the green mist quickly dissipated. All agreed later that they had heard his voice and everyone heard the same thing. They described the Sailor's voice as deep and full, but sounding a bit muffled.

Despite the seemingly over-dramatic words and manner of the misty sailor, it would be a mistake to dismiss this event out of hand. I have carefully researched this event as time and finances have allowed since it first occurred over a year ago. My investigations have lead me to believe that it's not a work of fiction and likely occurred as reported. Although I have dutifully reported the progress of what I have uncovered through follow-up articles, I have not turned the entire situation into some sort of carnival atmosphere. I knew that this event would somehow play out and now it has.

The hurricane damage of 2005 was more then just the aftermath of a storm, it was and is a catastrophe of almost unprecedented proportions. Was that the nature of the sailor's warning? It's hard to say because there doesn't seem to be any direct connection between the two events, at least on the surface. Digging deeper provides some disturbing information that may connect the time traveler's prophecy and the 2005 storm damage.

The manipulation of weather has long been a priority for the United States. One need only look at the HAARP (High frequency Active Auroral Research Program). The notorious HARRP array in Alaska is said to have the ability to bounce electromagnetic beams off of the upper atmosphere and focus them for the purpose of heating the ionosphere. Although touted as the building block for an advanced military communication and tracking system, there can be no doubt that HAARP has the ability to cause some type of weather changes. It may be no accident that HAARP is a direct descendent from ELF and Radiosonde research. ELF is a special low frequency system used to allow for communication with submarines deep under the sea. The Radiosonde is a radio sounding device. These devices are used by the national weather service and often placed on weather balloons. HAARP, ELF and Radiosonde devices have long been connected to research that goes hand in hand with the Philadelphia Experiment.

Weather manipulation can provide obvious benefits in terms of record harvests, national revenues and tourism. The danger, however, is the same one that exists with time travel. For every action there is an equal and opposite reaction. You cannot attempt to alter the past or future without doing potential serious damage to yourself or others. That's because we do not yet fully understand the ebb and flow of time. Many time travel enthusiasts look at it as a big circle with no actual beginning or end. That would allow for movement anywhere within that circle. Any changes would merely become part of the norm, despite the fact that large numbers of people, places or things may be permanently altered or simply cease to exist.

It's become obvious to me that people who believe in the big circle theory of time have won the day when it comes to the government. Acceptance of that theory may have opened a Pandora's Box that can never be closed. Because memories of those involved in active time travel projects tend to be altered or scrambled, it's almost impossible to know what damage has already been done or how the government has tried to fix it. Given that, it might not be unreasonable to suggest that the government would use available weather alteration technologies to cause what seems like a catastrophe that could cost them tens of billions of dollars over the long term. They may be doing it to fix, alter or prevent something far worse that could cost them much more over the long term.

Most people think in the now. When considering the past, present or future, they do so in relation to the reality they know. Suppose that it were possible to consider any number of realities, choose one and make that choice our present? However, before that could happen you would have to carefully look at all the past, present and future consequences. Even after doing so there can always be unforeseen problems. I the world of time travel, little problems can become big ones. Fixing those little problems may sometimes require more then just a little tweaking of our present.

Because New Orleans is one of America's largest ports, it's not unreasonable to consider the possibility that something terrible may have happened requiring a PE-style time travel fix and subsequent alteration of the present as a preventative measure. There could have been a dirty bomb or biological attack by terrorists bringing something into that port. A hurricane might have been just the distraction needed for U.S. Authorities to deal with the threat in a quiet way.

Less then a year ago there was a story on the major cable news networks of a cargo ship carrying something dangerous on board. The ship was headed toward the east coast of the U.S. The last I heard was that the Coast Guard was going to intercept the ship far offshore because they had word of a credible threat. Then the story and the ship just vanished. Nothing more was said. I went o the CNN and Fox News websites looking for the story that both news networks had previously placed on their websites. The story was gone. This is not conjecture or guesswork, it's fact.

Without the benefit of any credible physical or photographic evidence, all I have really had up to now to verify the 2004 appearance of the sailor was the testimony of the witnesses and some odd events that occurred in the aftermath. I have covered all these issues in previous articles available on my website at http://www.ufoguy.org. Things changed with the hurricane and aftermath. Beyond the size and scope of the catastrophe, there are the unusual circumstances surrounding the belated response on the part of all government entities. By delaying help, the media and everyone else became fixated on the victims of the hurricane and rightfully so. However, this could have created multiple opportunities for government operatives to perform any number of covert operations. The huge influx of military resources could also have created or aided such missions.

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Why Is The World's Smartest Man So Worried About Making Contact With Aliens?

By Bill Knell

Although he hasn't specifically stated that he believes Aliens are currently visiting out planet, Dr
Stephen Hawking seems certain that contact between humans and intelligent creatures from other worlds is not a good idea. He worries that more advanced beings might seek to conquer the Earth and exploit our resources. Hawking has stated, ""If aliens visit us, the outcome would be much as when Columbus landed in America, which didn't turn out well for the Native Americans."

In a recent interview for a Discovery Channel series, "the world's smartest man" stated that some extraterrestrials are probably on space ships exploring the universe and may be looking for planets inhabited by intelligent life. However, unlike Gene Roddenberry (the creator of Star Trek), Hawking doesn't envision a future where first contact with aliens leads to friendship, even-handed technology exchanges and the creation of some universal federation of like-minded beings.

After watching the good doctor on Discovery, I marveled at his view of Aliens and any possible contact with humans. Most Astronomers and Scientists tend to think about space in terms of planets, stars and using what they discover to explain the natural history of our own world. They give us the impression that any life forms out there are probably microbes swimming around in some primordial soup. Others that believe intelligent life might exist in the universe usually go through a great deal of trouble to explain why it would be almost impossible to find them.

Dr Hawking has given us much more to chew on in terms of his view of Aliens and contact with humans than other scientists, but it's what he hasn't said that really makes me think. I wonder how he came to his conclusions? After all, he seems very adamant about extraterrestrials flying around the cosmos in space

ships and comes off as very sincere when he suggests that we avoid contact with them.

I recall that during a scientific symposium to discuss the possibility of the existence of extraterrestrials years ago, another smart guy named Dr Philip Morrison suggested that millions of Alien civilizations exist out there and that some of them might be quite advanced. The late Dr Morrison did not expand on his views of extraterrestrials, but he certainly went further in terms of admitting the mathematical probabilities of the existence of intelligent life in the universe than most of his contemporaries.

Morrison was a theoretical physicist who worked on the Manhattan Project (A-Bomb) and had a close affiliation with Dr Robert Oppenheimer. Having been a member of the faculty at both Cornell University and MIT, he was no hack. Dr Morrison often spoke his mind and other scientists took what he had to say to heart. However, did his conclusions about intelligent alien life forms existing out there come from something more that just mathematical probabilities? Is the same thing true of Dr Hawking?

Like Morrison, Dr Stephen Hawking is also theoretical physicist. He was born in the UK in 1942. Despite the physical limitations brought on by a motor neuron disorder commonly known as Lou Gehrig's Disease, Hawking has managed to achieve an impressive array of scientific accomplishments. He has become known as someone who is able to think deeper than most of his contemporaries, but has he also had the advantage of "insider information" when it comes to Aliens?

In 2009, Hawking was presented with the Medal of Freedom by U.S. President Barack Obama at the White House. The Presidential Medal of Freedom is the highest civilian honor available in the USA. Not limited to U.S. Citizens, it is offered to people that have made "an especially meritorious contribution to the security or national interests of the United States, world peace, cultural or other significant public or private endeavors."

I'm sure that the scientific accomplishments of Dr

Hawking more than qualify him for the Medal of Freedom, but I also believe that he may have already made "an especially meritorious contribution to the security or national interests of the United States." It would be arbitrary to believe that members of the U.S. Government or Military would not take advantage of consulting someone who has been labeled as "the world's smartest man" when it comes to anything that might fall into the category of science.

Despite his reputation as a super genius, Dr Hawking has never been one to court the press or seek attention. People barely noticed when he flew aboard a sub-orbital spacecraft owned by Virgin Galactic's space service in 2009. He became the first quadriplegic to float in zero gravity in space. That's why it's so difficult to understand why he suddenly decided to share his views on Aliens. He didn't mention it in 2008 while speaking at NASA's fiftieth anniversary.

Hawking gave a keynote speech on the "Final Frontier" attempting to inspire NASA scientists and employees, as well as those working in the space technology community, to move forward in the exploration of space. No mention was made of Aliens or any possible extraterrestrial threats to humanity at that time. While one could argue that it might be inappropriate or even preaching to the converted to bring up the subject of Aliens at a NASA celebration, it still makes you wonder why a person known for not pulling verbal punches would leave out information which he now claims to feel so passionately about.

Whether the USA or the UK has shared classified information they might possess about Aliens with Dr Hawking is unclear, but it would not be over reaching to believe that his statement warning about Alien contact could have been directed at more than just the general public. Perhaps it was a serious attempt on his part to get the attention of those in various governments around the world who have already tried and may have succeeded in making contact with extraterrestrials.

The one certain thing about what Stephen Hawking has said about Alien contact is that if the world's smartest man warns against it, it might be a very good idea for all of us to take heed and follow his advice. Even more so for governments that might be eager to trade technologies with extraterrestrials. It doesn't take a genius to grasp the concept that there may be Aliens out there with their own agendas and motivations. Running into the wrong crowd with advanced technologies in the vastness of space may not leave a small planet like ours with many options.

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Remember that spacecraft you guys recovered a wicked long time ago? Well,He thinks he left his wallet in it.

This Month In UFO History

Some of the more interesting sightings this month on the UFO Timeline: May

Compiled by James Neff for Rense.com
webmaster@rense.com
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May ? 1932 - The Sutton UFO Photograph - A Vintage UFO Encounter

Enlargement of Object

The unidentified flying object in the picture could not have been a street lamp, simply because there were no street lamps there at the time. There are no power poles or power lines visible anywhere in this picture. This picture of George Sutton of St. Paris, Ohio, taken near mid-day (as may be seen from the shadows on the ground) shows a vintage automobile with a 1932 license plate on the front bumper. The owner of the photo album says there were no electric street lights along this road in those days. This is very clearly a rural road. Additionally, the size of such a street lamp,. guessing reasonable distance from Sutton and his car, and its height, rivals even big city street lamps. Nobody has been able to account for the dark object seen over Sutton's left shoulder in this photograph to this day.

Sutton Photo

Many have claimed the photo a hoax, however 1932 is a little early for this particular type of "saucer" hoax snapshot. 1932 was certainly long before the "saucer" mentality which debunkers love to claim permeated US culture (and gave rise to both hoaxes and delusions and mass halucenations, they claim) thanks to various visual media, from sci-fi comics to movies; Certainly long before Kenneth Arnold's infamous description of the discs seen at Mt. Ranier in 1947. It was 1938 when Orson Welles broadcast his radio play adaptation of H.G. Wells' "The War Of The Worlds" where martian ships were decribed more like marching robots on tripodal limbs with flailing tentacles, death rays and black, poisonous gasses.

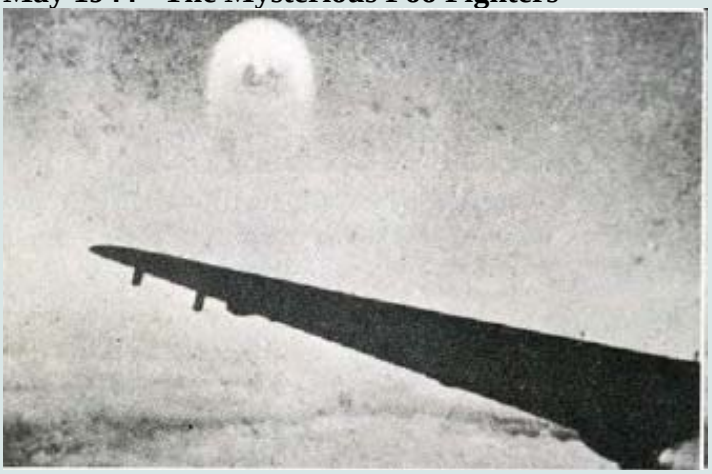
Some of the earliest "alien" craft art to grace the covers of the now famous Hugo Gernsback's Wonder Stories, Science Wonder Stories and Wonder Stories Quarterly in the 30s, as well as Amazing Stories in the

mid-late 40s had saucer and disc shaped craft.

Issues fom (L-R) 1934, 1931 and 1929 - Art by © Frank R. Paul

But by and large, the images were more along the lines of the Buck Rogers "rocket" craft variety or flying boats (sometimes even flying cities), though a few disc or spheric ships were depicted occasionally. Far from a major influence on the minds of Americans toward the "flying saucer" as an icon or achetype, and not very likely enough to spawn the debunkers' imagined mass hysteria resulting in the UFO phenomena they like to relegate to the 50s and 60s alone, when pop-eyed mutants and flying pie-pans had become the norm in sci-fi cinema and comics.

May 1944 - The Mysterious Foo Fighters



This is just one of many photos of "foo fighters" taken by pilots during the war. This particular photo was taken over Germany. These inexplicable spheres and discs of light were reported to be seen flying in formation, sometimes in what appeared to be mock battle or simply tailing squadrons of fighters. At the time, many military experts believed them to be advanced German flying machines or some kind of new weaponry, yet the "foo fighters" never attacked allied aircraft.

May 11, 1950 - McMinnville, Oregon UFO Photos Best Case Ever Candidate

The Condon's team of investigators had concluded that "This is one of the few UFO reports in which all factors investigated, geometric, psychological and physical appear to be consistent with the assertion that an extraordinary flying object flew within sight of two witnesses." (IBID pg 407, Condon Report on Aerial Phenomena)

When government appointed debunking agencies say there's something to it... there's something to it!

Telephone Register
At Long Last--Authentic Photographs Of Flying Saucer?

A classic set of impressive UFO photos was taken by Mr. and Mrs. Trent in the early part of the evening, just before sunset, on May 11, 1950, near McMinnville, Oregon. According to the Trent's account the object, as it appeared over their farm was first seen by Ms. Trent while she was feeding the farm's rabbits. She then quickly called her husband who got the family's camera and Mr. Trent (seen at left) then took two shots from positions only just a few feet apart. The pictures first appeared in a local newspaper and afterwards in Life magazine. Seventeen years later the photos were subjected to a detailed analysis for the University of Colorado UFO Project. William K. Hartmann, an astronomer from the University of Arizona, performed a meticulous photometric and photogram-

metric investigation of the original negatives, and set up a scaling system to determine the approximate distance of the UFO. Hartmann used objects in the near foreground, such as a house, tree, metal water tank, and telephone pole, whose images could be compared with that of the UFO. There were also hills, trees, and buildings in the far distance whose contrast and details had been obscured by atmospheric haze.

Close Up

Hartmann used these known distances of various objects in the photo to calculate an approximate atmospheric attenuation factor. He then measured the relative brightnesses of various objects in the photos, and demonstrated that their distances could generally be calculated with an accuracy of about +/- 30%. In the most extreme case, he would be in error by a factor of four. He then wrote:

"It is concluded that by careful consideration of the parameters involved in the case of recognizable objects in the photographs, distances can be measured within a factor-four error ... If such good measure could be made for the UFO, we could distinguish between a distant extraordinary object and a hypothetical small, close model."

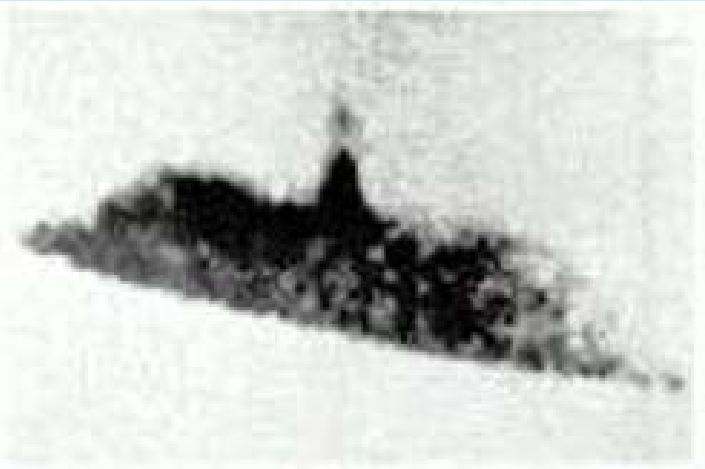
Hartmann then noted that his photometric measurements indicated that the UFO was intrinsically brighter than the metallic tank and the white painted surface of the house, consistent with the Trent's description that it was a shiny object. Further, the shadowed surface of the UFO was much brighter than the shadowed region of the water tank, which was best explained by a distant object being illuminated by scattered light from the environment.

Photo 1

"it appears significant that the simplest most direct interpretation of the photographs confirms precisely what the witnesses said they saw"

Hartmann further wrote that "to the extent that the photometric analysis is reliable, (and the measurements appear to be consistent), the photographs indicate an object with a bright shiny surface at considerable distance and on the order of tens of meters in diameter. While it would be exaggerating to say that we have positively ruled out a fabrication, it appears significant that the simplest most direct interpretation of the photographs confirms precisely what the witnesses said they saw."

Photo 2



Enlargement

In his conclusion, Hartmann reiterated this, stressing that all the factors he had investigated, both photographic and testimonial, were consistent with the claim that "an extraordinary flying object, silvery, metallic, disc-shaped, tens of meters in diameter, and evidently artificial, flew within sight of [the] two witnesses."

Controversy - The Skeptics' Case

Not satisfied with Hartmann's findings and totally devoid of any evidence that the UFO was a hoax and hanging from the wires, UFO debunker Robert Sheaffer argued qualitatively that the haze in the photos (the haze veiled the UFO and led Hartmann to conclude the UFO was about 1.3 kilometers distant) could be due to a "dirty" camera lens, and thus the object could still be close to the camera. He further argued that shadows on the garage were strong evidence for a large time lag between the photos, and alleged that the shadow positions suggested the photos were taken at 7:30 in the morning rather than in the evening (the image on the left depicts the edge enhancement technique which, under typical conditions, can reveal the presence of a wire less than a quarter of a millimeter thick at a distance of up to 3 meters).

Dr. Bruce Maccabee, an optical physicist, analyzed the original negatives and found no support for Sheaffer's time lag claim. He also repeated Hartmann's calculations in much greater detail, including corrections for lens grease and obtained about the same results as Hartmann originally did. (One other important aspect of Sheaffer's dirty lens hypothesis is that it fails to explain why it didn't affect all objects in the photos, and not just the UFO. All the nearby objects in the photo were all sharp with high contrast, but the objects in the distance such as a barn, a house, trees, and hills (and the UFO), were of low contrast, exactly as would be expected from absorption and scattering of light.) Maccabee calculated the UFO to be over 1 kilometer away, and about 30 meters in diameter and 4 meters thick.

Regarding the alleged reported time the photos were taken which, according to Sheaffer, would be inconsistent with the position of the shadows on the photos, Maccabee discovered that the garage shadows could only have been caused by a diffuse light source, rebutting Sheaffer's argument. Maccabee suggested that a bright cloud illuminated by the evening sun could possibly have caused them. Moreover, neither Sheaffer nor Klass has provided a plausible cause as to why the Trents would have lied about this, especially since it is immaterial to analysis of the UFO's distance.

Repeaters

In his book "UFOs Explained," Klass argued that the Trents were "repeaters," citing a story published in the Portland Oregonian June 10 in which Mrs. Trent is quoted as saying to reporter Lou Gillette that "she had seen similar objects on the coast three different times but no one would believe me." Klass further quotes from a newspaper article written about 17 years later, in which she is quoted as saying "We've seen quite a few since then but we didn't get any pictures, they disappeared too fast."

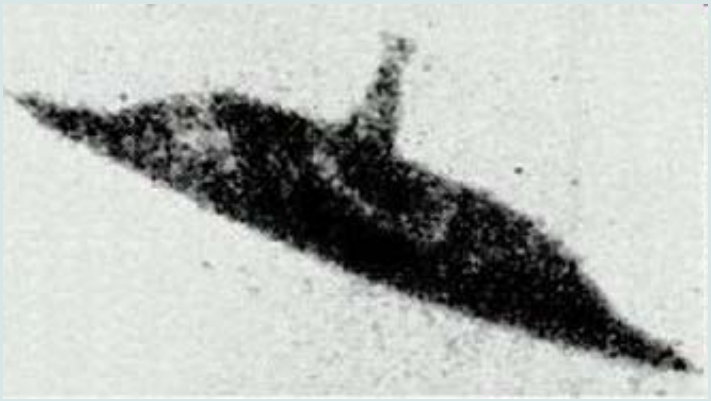
Klass indictment of "repeater" is based solely on Mrs. Trent's claims as reported in the paper. Assuming the account is accurate, an important detail however, is that Mr. Trent apparently did notagree with his wife. For reasons we can only guess, Klass did not include in his book Mr. Trent's response to the following question (story in the June 11, 1950 L.A. Examiner):

"why [did you wait] so long before telling anyone

about [the photos]. Trent admitted he was 'kinda scared of it.' He said: 'You know, you hear so much about those things... I didn't believe all that talk about flying saucers before, but now have an idea the Army knows what they are."

This suggests that Mr. Trent had not seen any UFOs before and was skeptical about flying saucers (hence his wife's claim that "no one would believe me") ... until he saw one himself. One gets into a logical muddle here. If, as Klass believes, there are no saucers and therefore the Trents couldn't have seen one, then Mrs. Trent must have been lying when she said she saw several previously. On the other hand, Mr. Trent was telling the truth about his skepticism, although he could well have supported his wife's claim by saying that he too had seen several even if he really didn't believe they existed. After all, if its a hoax, he could say anything to support the hoax story. One way to get out of this muddle is to assume that they both told the truth regarding previous sightings (Mrs. Trent had several, Mr. Trent had none and didn't believe in saucers). Of course, Mrs. Trent previous sightings certainly could have been honest misidentifications... and if this were so then she wasn't really "a repeater" unless you classify a person who repeatedly and honestly misidentifies objects as "a repeater" [Maccabee op. cit., private communication].

The McMinnville Saucer Returns - 1957



Rouen, France, 1957. Flying to intercept a mysterious radar reflection, an unknown French Air Force pilot photographed this craft in March 1957 over Rouen with his gun-sight camera. The UFO paced the plane for several minutes before speeding off past the maximum velocity of the French airplane. It was first published in the Royal Air Force Flying Review in July,1957 and also in Flying Saucer Review in July, 1957.

Full NICAP investigation

May 20, 1953 - Kingman, Arizona UFO Crash

The earliest reference of a crash near Kingman has been made to MUFON researcher Richard Hall in April 1964. He was told the story by a future Vietnam commander.

The case of the Kingman UFO retrieval was then brought to the public attention by Raymond Fowler, a respected UFO researcher, in June 1973. It involved an engineer who took preliminary measurements to assess the momentum of a crashing craft, measurements useful to any reverse engineering efforts. The engineer who brought this story to light was Arthur G. Stancil (previously known by the pseudonym "Fritz Werner"). Stancil graduated from Ohio University in 1949 and was first employed by Air Material Command at Wright-Patterson Air Force Base in Dayton, Ohio as a mechanical engineer on testing Air Force aircraft engines. Dr. Eric Wang who was suspected of leading a reverse engineering team on alien craft headed the Installations Division within the Office of Special Studies where Arthur worked.

Stancil signed a legal affidavit vouching to the honesty of his testimony, who has been was released by Ray Fowler in UFO Magazine, April 1976.

Stancil told that he was loaned out to the Atomic Energy Commission and was designated as a project engineer on some atomic bomb tests referred to as "Operation Upshot Knothole". The location of these tests was at Frenchman's Flats at the southern end of the Nevada Test Site. The test director was a Dr. Ed Doll.

On May 21, 1953 Stancil was called away by his boss told to report for a special assignment at the Indian Springs Air Force Base where he was joined by 15 other specialists. They were flown by military plane to Phoenix where they boarded a bus with blacked-out windows and rode for an estimated four hours. When

they arrived at their destination somewhere south-east of Kingman in one of the washes of the Hulapai Mountains, they were met and briefed by an Air Force Colonel who told them they were to investigate the crash of a super-secret test vehicle. He and the others on the bus were told not to speak to each other under any circumstances. Stancil's job was to determine the forward and vertical velocities of the vehicle when it impacted in the sand.

Stancil was escorted to the site by military police. Two military arc-lights illuminated the saucer, which appeared to be two convex oval plates inverted over each other approximately 30 feet in diameter. The saucer was embedded in the sand about 20 inches. From this Stancil had determined that the saucer crashed at a velocity of 100 knots yet it had not dents, marks, or scratches on its burnished aluminum surface. It was constructed of dull silver metal like brushed aluminum. Another specialist had gotten a look inside the craft as a 1.5 x 3.5 foot hatch was open revealing an oval interior cabin with two swivel seats and many instruments. Stancil saw one body recovered from the crash. It was humanoid, about 4 feet tall, with brown skin and wearing a silver-metallic flight suit.

Whilst they were back on the bus and being taken back they were made to sign the 'Official Secrets' act and was told never to tell anyone about this incident. Stancil also claims to have seen the body of a small creature about 4ft tall inside a small medical tent. The creature was wearing a skull-cap and a silver one-piece suit.

Fowler made several check as to the integrity of Stancil and everyone who knew him said that he was a man of considerable integrity and scientific ability.

Another story supporting the crash near Kingman came to UFO researcher Len Stringfield in 1977. A man who was in the National Guard at Wright Patterson claimed that he was witness to a delivery from a 'crash site in Arizona' in 1953. He said that 3 bodies had been recovered and were packed in dry ice, 4ft tall, large heads and brownish skin.

Since then several other witnesses have come forward, but I do not have detailed information yet:

An almost identical story was reported to researcher Charles Wilhelm in 1966 by a man who said that his father had told him the story as a death-bed confession.

In 1995 a man who went by the code name of Jarod-2 contacted the Internet publication The Groom Lake Desert Rat (http://www.ufo- mind.com/area51/desert_rat) and told them he had worked for the USAF on a secret project that was an attempt to build a flying saucer simulator. The project had started at the end of the 1940s and had collected material from the crash sites at Roswell and Kingman.
(Source: http://www.chez.com/lesovnis/htm/kingman53.htm)

May 24, 1962 - Astronaut Scott Carpenter Snaps UFO In Space

M. Scott Carpenter duplicated Glenn's feat with an additional orbital flight lasting 4 hours 56 minutes and 5 seconds. Mercury-Atlas 7 was designated Aurora 7. During the flight, Carpenter took this photograph of a UFO which he saw close to his capsule.

May 15, 1963 - Astronaut Gordon Cooper Sees UFO During Spaceflight

On May 15, 1963 he shot into space in a Mercury capsule for a 22 orbit journey around the world. During the final orbit, Major Cooper told the tracking sta-

tion at Muchea Australia that he could see a glowing, greenish object ahead of him quickly approaching his capsule. The UFO was real and solid because it was picked up by Mucheas's tracking radar.

"For many years I have lived with a secret, in a secrecy imposed on all specialists in astronautics. I can now reveal that everyday, in the USA, our radar instruments capture objects of form and composition unknown to us."
- Gordon Cooper

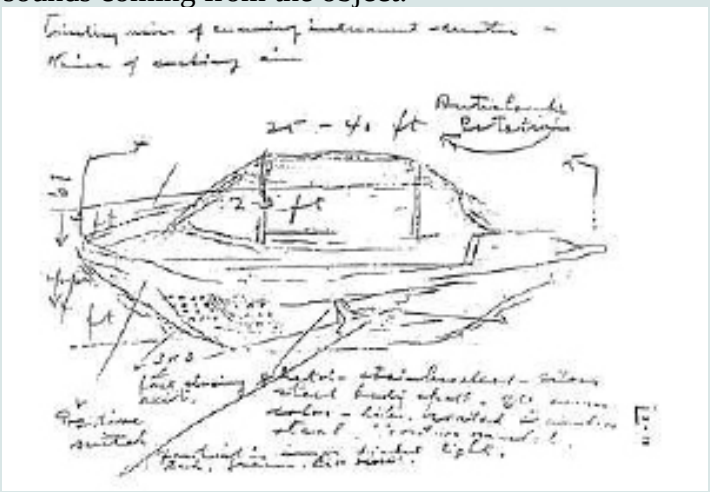
May 20, 1967 - Canadian Man Burned By Flying Saucer In Close Encounter

During Victoria Day week-end, Canadian Stephen Michalak of Winnipeg, a mechanic by trade, decided to do some prospecting in the Whiteshell Provincial Park . Michalak was an amateur geologist and had been prospecting in the area many times. Others had found several quartz veins near Falcon Lake that were associated with silver deposits, and Michalak had himself found a few promising sites. So, on May 19, 1967, he traveled from Winnipeg to Falcon Lake, where he spent the night in a motel on the Trans-Canada Highway.

Michalak left his motel at 5:30 that morning and headed north into the wilds of the park. At about 9:00 a.m. he found a quartz vein near a small stream. At 11:00 a.m. he ate lunch, then continued to examine the quartz formation. At 12:15 p.m. Michalak's concentration was disturbed by the cackling of some geese. He looked up and was surprised to see two red, glowing cigar-shaped objects descending at a forty-five degree angle. As they came nearer, their appearance became more oval and then disc-shaped.

As he watched, one of the objects stopped and hovered, while the other one descended and landed on a large, flat rock about 160 feet away from him. After a few moments the object still in the air departed, changing from red to orange to grey as it flew into the west and disappeared behind the clouds. The object on the ground also turned from red to grey and finally to the color of "hot stainless steel" surrounded by a golden-hued glow. He had been wearing welding goggles while chipping at the quartz to protect his eyes from flying rock fragments, and now they served the additional purpose of protecting his eyes from a brilliant purple light that was shining through openings in the object's exterior. The object was making a hissing sound and a whirring noise, and it gave off a sulphurous smell.

For several minutes, Michalak stayed where he was and sketched the object. After about half an hour, a door opened in the side of the object, revealing a lighted interior. Michalak decided to move closer, and when he was approximately sixty feet away from the object, he began to hear two voices over the other sounds coming from the object.



Michalak's drawing of the UFO he saw

Believing that the object was a secret experimental American craft of some sort, Michalak called out in English. There was no response, so he tried Russian, German, Italian, French, Ukrainian, and then English again. There was still no response.

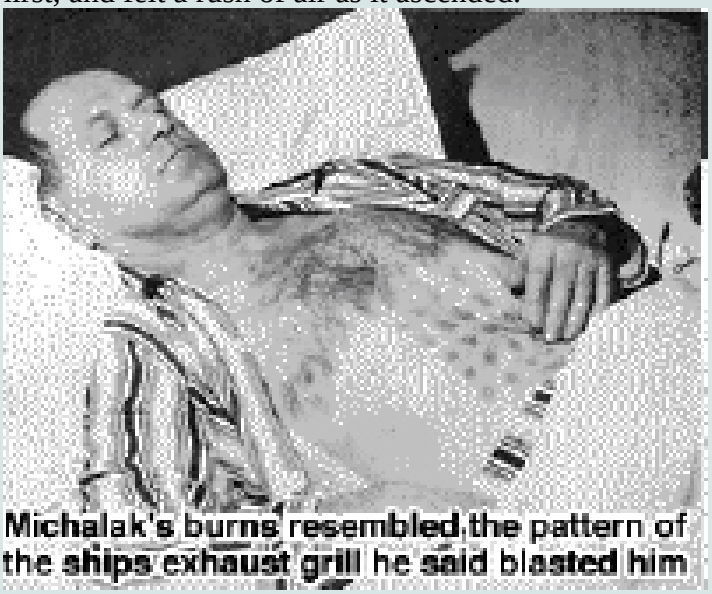
Summoning his nerve, Michalak approached the open door and stuck his head inside. There he saw a maze of lights on what appeared to be a panel, and beams of light in horizontal and diagonal patterns. There was also a cluster of lights flashing in a random sequence "like on a computer."

Not seeing anyone, he pulled back and waited. Suddenly, three panels slid together, closing the opening completely. Michalak then examined the outer surface

(Cont. on page 76)

of the object, noting that it was like highly polished colored glass with no breaks or seams in its surface. He touched it, and it melted his glove.

Without warning, the object moved, and something like an exhaust vent was now in front of him. It was about nine inches high by six inches wide, and contained a uniform pattern of round holes, each about 1/16 inch in diameter. A blast of hot gas shot from these holes onto his chest, setting his shirt and undershirt on fire and causing him severe pain. He tore off his burning garments and threw them to the ground. He looked up in time to see the craft depart like the first, and felt a rush of air as it ascended.



Michalak's burns resembled the pattern of the ships exhaust grill he said blasted him

After the object was gone, Michalak noticed a strong odor of burning electrical insulation along with the sulphurous smell he had noticed earlier. Some moss on the ground had been set on fire by his burning shirts, and so he stamped it out.

The spot where the object had landed looked as if it had been swept clean, but piled up in a 15 foot circle was a collection of pine needles, dirt and leaves. As he looked around, he developed a severe headache, became nauseous, and broke out in a cold sweat. His nausea became worse, and he soon vomited. He decided to head back to the motel, and on the way back he had to stop several times because of vomiting.

Finally, after asking for help from a passing RCMP officer and being refused, he reached the motel. At 4:00 p.m., he entered the coffee shop and asked where he could find a doctor. He was told that the nearest doctor was in Kenora, Ontario, 45 miles east of Falcon Lake. Michalak decided to return to Winnipeg rather than go into Ontario.

The next bus to Winnipeg didn't come through until around 8:45 p.m., so he went to his room and called his wife. He told her not to worry, but that he had had an accident and to send their son to meet him at the bus terminal. He got to Winnipeg at around 10:15 p.m., and his son immediately took him to the Misericordia Hospital, where his headache and nausea were treated and the curious burn marks on his chest in the shape of a grid were noted. One of the RCMP investigators tried to make the case that Michalak had burned his chest on a barbecue grill. However, the burn pattern was opposite to what it would have been had that been the case. There was a manned firetower nearby, but the lookouts reportedly saw nothing that day. Michalak never made any money off his experience. In fact, he had to pay all of his own medical expenses, including a trip to the Mayo Clinic on Minnesota. A small, privately published booklet he wrote on the experience lost money.

Over the course of the next two years, Michalak was examined by more than one dozen physicians in the United States and Canada. Site investigations were made by members of the RCMP, RCAF, government officials and numerous civilians. Among those who traveled back to the site with Michalak were representatives of: the RCAF (Royal Canadian Air Force) Training Command Headquarters, CFB (Canadian Forces Base) Winnipeg, RCMP CID (Criminal Investigations Division); the federal Department of Health and Welfare, and the Manitoba provincial Department of Health and Welfare. Also, the University of Colorado Condon Committee investigated the case, Life magazine reporters came to Manitoba and two civilian UFO groups, APRO (Aerial Phenomena Research Organization) and CAPRO (Canadian APRO), became involved. Finally, the federal Department of Mines and Natural Resources got involved to a degree, as did the Whiteshell Nuclear Research Establishment (WNRE), the Manitoba Cancer Institute, the Mayo Clinic, and a host of other medical establishments.
(Sources: http://ufos.about.com/library/weekly/aa092198.htm

http://www.chez.com/lesovnis/htm/michalak67.htm)

May 24, 1969 - Yukon Family And Others Witness Flying Saucer

"It was about this shape, " explains Terry Bubiak. Terry was among many Porter Creek residents who saw a U.F.O. on Saturday night in front of Haekle Hill. The object appeared at about 10:45 and was visible for several minutes. "We all saw it," the family says. Left to Right are Jerry Bubiak, Mrs. P. English, Terry, Linda, Paul and Tony.

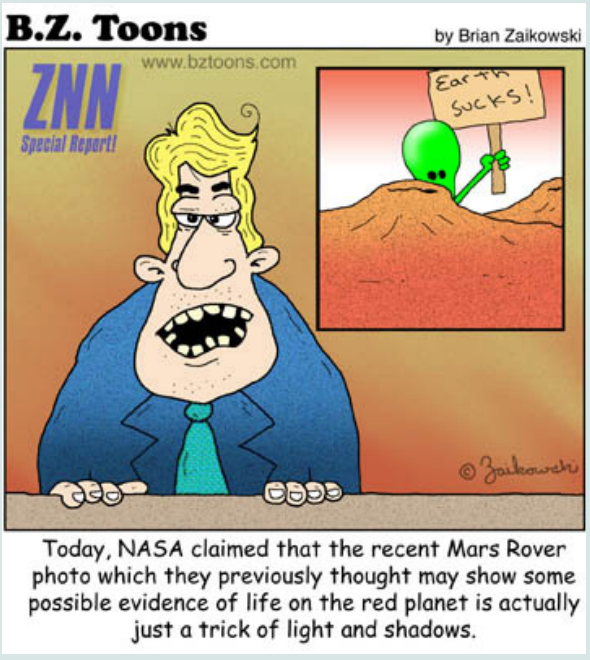
Front Page of the May 26, 1969 YUKON DAILY NEWS, Whitehorse, Yukon, Canada

Porter Creek residents were startled Saturday night with the appearance of a U.F.O. flying in front of Haeckle Hill and appearing to descend into the valley below. Mrs. Patricia English first spotted the object at the home of Mr. Jerry Bubiak. She called to Mr. Bubiak and the four children to "look at that". The object was visible for three to four minutes before it disappeared. "It was oblong in shape and seemed to be glowing orange", said Mrs. English. Also visible was a bubble like affair on the top with visible partitions and three or four leg like protrusion (sic) on the bottom reports Mr. Bubiak and Tony English.

The object was also seen by Mrs. Mary MacDonald Director of the Ridgeview Home in Porter Creek. She and one of the youngsters living at the Home watched the object for several seconds. Mrs. MacDonald called the R.C.M.P. and reported that it looked like a "burning helicopter", however a check at the Airport Control Tower revealed that no aircraft were out after 10:02. The sighting was at 10:45. A weather balloon was sent up at approximately 9:15 but weather officials report that it was visible for only 10 minutes and that winds were from the north which would put the balloon somewhere in the vicinity of McCrae at the time of the sighting. A hoax? There are at least eight people in the Whitehorse area who are convinced they saw something. "No one can tell me that it was just burning gas," emphatically states Mr. Bubiak." (Source: http://www.ufobc.ca/yukon/portercreek1969.htm)

May 23, 1971 - Amazing Series Of Saucer In Flight

St. Lorenzen/Styria, Austria. While on vacation in Styria, musician Rudi Nagora and wife were exploring the St. Lorenzen area. After a drive, they stopped at the edge of a field. His attention was grabbed by a sound from above. He saw a shining, silvery disc, and took a series of photographs.


B.Z. Toons
by Brian Zaikowski
www.bztoons.com
ZNN
Special Report!
Earth sucks!
©Zaikowski
Today, NASA claimed that the recent Mars Rover photo which they previously thought may show some possible evidence of life on the red planet is actually just a trick of light and shadows.

May 17, 1978 - Polish Farmer Has Close Encounter Of Third Kind

Emilcin, Poland -- Jan Wolski a 71-year old farmer, was passing through a forest in his horse drawn cart when he noticed two individuals ahead, walking in the same direction, but with “supple jumps” like divers on the sea bed. When one of them approached a muddy patch, his feet seemed to slide across the mud, as reported in a number of other cases. When Wolski caught up with the strangers, they walked alongside the horse and cart for a while then jumped onboard and sat down gently, one at each side, gesturing to Wolski to carry on. The added weight caused the mare to exert extra effort.

Wolski drove on while the strangers exchanged some words in an incomprehensible tongue. Shortly, as the cart approached a clearing in the forest, a strange, almost “transparent white” object could be seen, hanging in the air about 70 meters away, emitting a faint humming sound. Wolski described the object as like a short bus, but with a roof like a barn, it was about 5 meters in length, three meters in width, and about 2.5 meters in height. It shone, as if nickel-plated. No windows were seen. At its four corners, and half-way up it had on the outside, barrels with black vertical rods running through them and carrying what looked like spirals rather reminiscent of corkscrews. These black rods were rotating very fast. The “corkscrews” emitted a range of colors, and the barrels seemed to have been the source of the humming. When closer to the object, Wolski said the sound was like that of bumblebees in flight. The craft’s surface was smooth, stainless, and seamless. At a height of some 50 cm from the ground was suspended a lift held by four thin cables attached above the entrance to the craft, which had descended as the trio approached. Stepping on to the platform one of the entities invited Wolski aboard, gesturing to him that he should grasp the cables. After rising rapidly the lift stopped in front of an opening and Wolski was motioned inside. Inside, Wolski stepped into a chamber with walls that were almost black and saw two more beings identical with the first two.

The chamber was rectangular. There was no internal lighting other than the daylight from the open door. The walls, floor, and ceiling were a grayish black the same color as the overalls of the occupants. The floor was shining, as though polished. The walls were smooth and hard to the touch, and made of a material resembling glass. Against the four walls there were seats, each fastened by two black cables. No apparatus was seen inside the contraption, with the exception of two black tubes that ran from one gable wall to the other and two holes, about 30 cm apart, into each of which one of the entities inserted alternately a smallish black rod. From floor to ceiling, the height was about 1.8 meters. On the floor of this cabin were about ten crows or rooks, which seemed to be paralyzed, though they could move their heads and eyes. The four identical beings, of indeterminate sex, were about 1.4 to 1.5 meters tall and had delicate, slim figures. They were dressed in tight-fitting, flexible one-piece suits of a grayish black rubber like material, covering the entire body except the faces and hands. No pockets, belt, or fasteners were seen. Their legs seemed thicker than those of normal men, and from the way these curved when the beings sat in the cart with their legs hanging down, they looked like prehensile limbs. A hump was visible on the shoulders, as though something was contained under the suits. The slim, greenish colored hands had five fingers, between which were fine membranes, except for the gap between thumb and forefinger.

Their heads were relatively large, with faces of an olive green or greenish brown hue, having high cheekbones that gave them an Asiatic appearance. The eyes, almond shaped, very long, were dark, and appeared to lack any whites. In the place of the nose, there was only a slight protuberance with two small vertical openings. The mouth was straight and thin. Their teeth were white. No hair was visible on the face.

When the beings smiled, the mouth twisted to one side with the effect of a grimace. Their speech was rapid and delicate. They had a polite, gentle demeanor and Wolski felt no fear in their presence. The beings indicated to Wolski that he should take off his clothes, and one of them helped him undo his shirt buttons. Facing him less than two meters away, one of the beings held in each hand a gray disc shaped object that seemed to be attached to the hand by something like a suction pad. The discs were vibrating and emitting a dull humming sound. Wolski was positioned with one side facing towards the entity holding the discs, then with his back towards him, and finally with the other side. Wolski's arms were raised alternately by the entities, whose fingers were very cold. During the process he smelled an odor similar to that of burning sulfur; a smell that lingered in his clothing for days afterwards. When ready he was shown the way out, bowed, and said goodbye. The beings bowed likewise, smiling. The same lift took him down almost to ground level, so that he was obliged to jump down a short way. Reaching his horse and cart, Wolski turned around to look at the contraption. Two or three of the beings were watching him from the entrance. He did not see them leave.

Thanks to Tomek Wierszalowicz for report and images

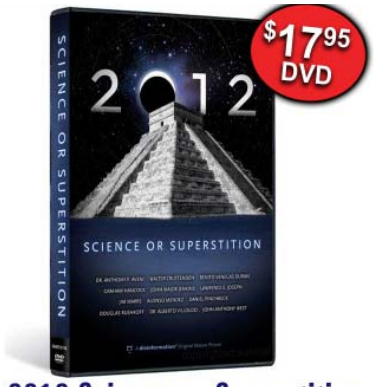
May 26, 1987 - Huge UFO Passes Over Major Highway, Stalls Cars

Randy Etting, a resident of Newtown, was taking a walk outside his home. A commercial airline pilot with over 30 years experience, he always looked at the sky... he saw a number of orange and red lights... approaching from the west... He... got his binoculars and called his neighbors to come outside. The object by this time was a great deal closer and seemed to be over I-84, just east of Etting's home... the lights were shimmering like distortion from engine heat, but he could hear no sound...

Object photographed by State Police Officer

"As the UFO passed over I-84, cars in both the east and west bound lanes began pulling over and stopping. The UFO displayed a semi-circular pattern of very bright multicolored lights. Five motorists reported that, as the object became visible, a number of cars lost power and had to pull off the highway. A State Police officer [who wishes to remain anonymous] sent to investigate photographed the object.

"... Dr. Bruce Maccabee... [analysed the photo]. His findings indicate the object was huge, perhaps over a thousand feet across, and that the lights showed a definite pattern. He also indicated the lights seemed to have been flashing very quickly in some sort of sequence, giving the impression that some were out of focus while others were sharp.



2012 Science or Superstition

December 21, 2012: the end date of the sophisticated Long Count Calendar created by the ancient Maya in central America. Countless books and websites, magazine articles and newspaper headlines debate its meaning, with enthusiasts in two camps: those forecasting apocalypse the end of time and those who see a coming renewal, a rebirth of consciousness. Featured in the film are Graham Hancock, John Major Jenkins, Daniel Pinchbeck, Alberto Villoldo, Anthony Aveni, Robert Bauval, Jim Marrs, Walter Cruttenden, Lawrence E. Joseph, Douglas Rushkoff, John Anthony West and Benito Vegas Duran. Runtime: 78 Mins DVD

I Know What I Saw

AVAILABLE 5-27-10

The most credible UFO witnesses from around the world tell stories that challenge reality in I KNOW WHAT I SAW, a documentary guaranteed to change the way we see the universe. Director James Fox brings together the testimony of Air Force generals, astronauts, military and commercial pilots, government and FAA officials from seven countries; their accounts reveal the reasons those involved at the highest levels have chosen government secrecy over public disclosure in I KNOW WHAT I SAW.

DVD, Running Time: 94 mins DVD

The UFO Incident

Based on the true-life story of Betty and Barney Hill, the couple whose alleged abduction by extraterrestrials made headlines.The UFO Incident is kept alive by the virtuoso performances of stars James Earl Jones and Estelle Parsons. Particularly compelling is the fact that Jones' character resists the memory of his experience because he is afraid of suffering a fatal heart attack--which, we are informed in the epilogue, was indeed the ultimate fate of Barney Hill. Cast: James Earl Jones, Estelle Parsons, Beeson Carroll, Barnard Hughes, and Dick O'Neill.

Running Time: 100 Minutes DVD

George Van Tassel's Amazing Integratron

To UFO researchers, Giant Rock is significant for many reasons, for starters it was the home and workplace of the enigmatic George Van Tassel. Van Tassel allegedly made contact with extraterrestrials in the 1950's and was tutored by them on a variety of subjects, including human, cellular rejuvenation. And that led to the building of a structure called the Integratron.

After arriving in California from Ohio in 1930, Van Tassel, age 20, lived with an uncle who owned an automobile repair shop in Southern California. One day during that period, he met Frank Critzer, a down and out prospector who needed to have his Essex car repaired. Van Tassel found the prospector to be an engaging fellow and the two of them soon became friends. Owing to Critzer s financial difficulties, Van Tassel agreed to repair the car for free. Critzer was even allowed to sleep at the garage while repairs were made to his car.

Van Tassel s largess didn t end there: He gave Critzer a trunk full of canned goods along with $30., which, as Van Tassel put it, was a lot of money then. In return, The Integratron was designed to help carry out the cell rejuvenation process.

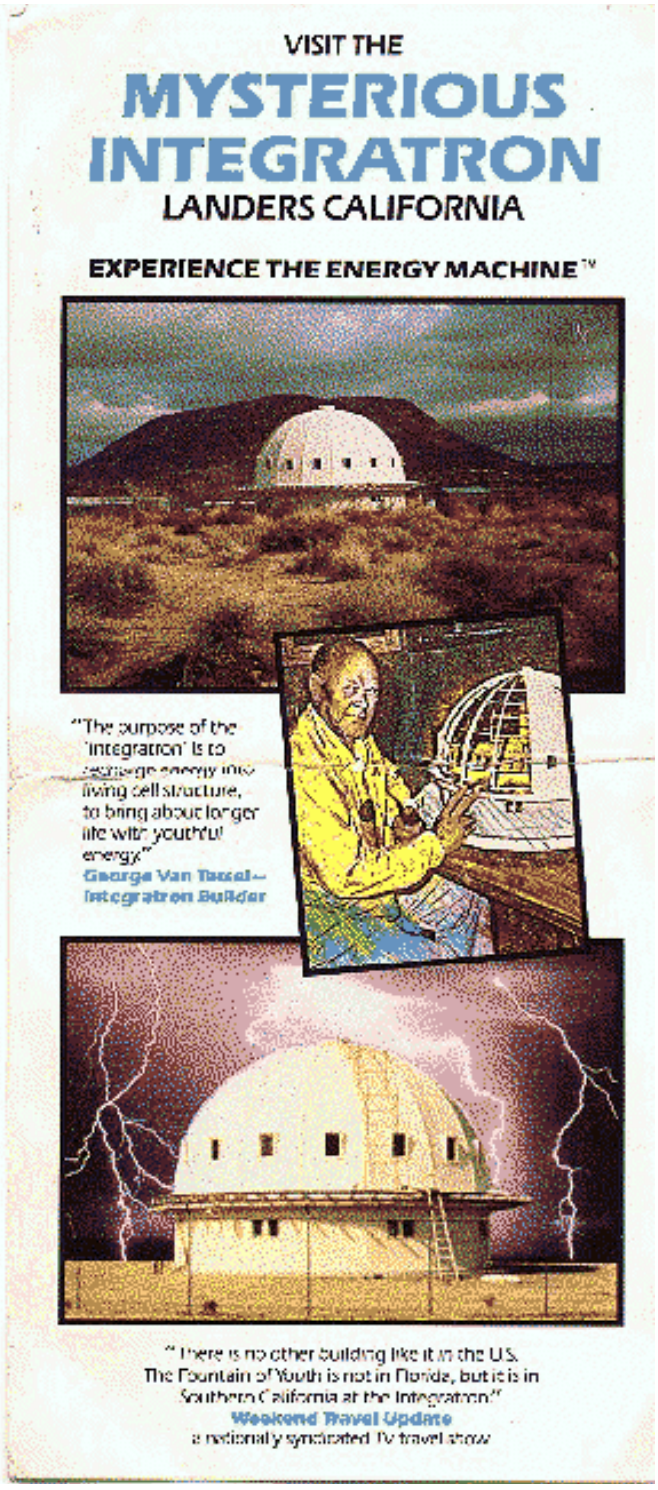
The family held many UFO conventions at Giant Rock, and thousands visited. In 1959 alone, 11,000 people visited his site. Throughout his life Van Tassel kept busy writing books about time travel and rejuvenation.

Van Tassel died in 1978. After his death, operations there were discontinued. Eventually the facilities were vandalized, causing the Bureau of Land Management to demolish most of what remained. However, the Integratron still stands and is maintained by a group that offers it for tours and other exhibitions.

The Integratron stands 38 feet high, is domed-shaped and has a 50-foot diameter, non-metallic framework. According to Van Tassel, the location of the structure was vital to its function. A complex formula involving the earth magnetic field and the position of the Great Pyramid in Egypt and Giant Rock provided Tassel with the correct coordinates. Tassel spent 18 years constructing it.

Critzer promised to include Van Tassel and the uncle in any mining claims he might make in the future.

A year later, Critzer mailed a map to Van Tassel showing how to get to Great Rock, the place Critzer was living. Map in hand, Van Tassel set out to visit his friend. Van Tassel was surprised to find that Critzer had dug under the Great Rock in order to have a place to live. He had made a kind of cave for himself. It should be noted that Critzer was, technically, nothing more than a squatter, since he was living on government land.


VISIT THE
MYSTERIOUS
INTEGRATRON
LANDERS CALIFORNIA
EXPERIENCE THE ENERGY MACHINE™
"The purpose of the 'integratron' is to
living cell structure,
to bring about longer
life with youthful
energy."
George Van Tassel--
Integratron Builder
"There is no other building like it in the U.S.
The Fountain of Youth is not in Florida, but it is in
Southern California at the Integratron!"
Weekend Travel Update
a nationally syndicated TV travel show

According to Van Tassel, the idea of making a cave was a good one. In the summer the maximum temperature under the Rock is 80 degrees F. In the winter, the temperature is a minimum of 50 degrees F. In contrast, the temperature outside the cave swings between 25 degrees F to 115 degrees F.

The Giant Rock covers 5800 Sq. ft. of ground and is 7 stories high. The rooms that Critzer dug were no more than a total of 400 sq. ft.

During WWII, Critzer ran afoul of the government and was accused of stealing dynamite and later of being an enemy spy. Conflicting stories about this colorful character abound. But whatever the truth, a confrontation with the police resulted in his death in August of 1942. Interestingly, Van Tassel claims the prospector was an "advanced thinker" who researched innovative methods of manufacturing plastic. However details of that matter are sketchy.

Van Tassel continued to visit the Rock. And he reported that he and his wife even vacationed there. Van Tassel related that in 1945, he made an application to the Bureau of Land Management to lease the property. In 1947, George Van Tassel quit his job at a Lockeed aircraft plant and moved his family to the Mojave Desert, near Landers, California. He then leased four square miles of land surrounding Giant Rock from the government.

The area was covered with decomposed granite making it a natural site for a small airport. And Van Tassel, in fact, created one Giant Rock Airport--which he operated from 1947 until 1975.

In 1953, he started holding weekly meditations in the rooms under the Giant Rock these meditations he said led to contact with extraterrestrial beings. He first contacted them in August of that year. As Van Tassel tells the story, a ship from Venus landed. The occupants of the ship invited him onboard where they taught him the principals of cell rejuvenation and that those teachings led to the creation of the Integratron.

"The purpose of the Integratron is to recharge energy into living cell structure,
to bring about longer life with youthful energy."

~ George Van Tassel, Builder of the Integratron

All the Planets are Inhabited!

George Van Tassel was an airline mechanic for four years and has experience in flying and flight test work for such firms as Douglas, Howard Hughes and Lockheed dating from 1927. He and his wife came to Giant Rock with the intent of running a small airport, a restaurant and beer parlour; the last two, however, never materialised. His airport at Giant Rock, however, became famous as the venue for many flying saucer conventions at which most of the well-known contactees of the fifties could be found. He is the author of I Rode a Flying Saucer and The Council of Seven Lights.

His own contact occurred one night when he and his wife were sleeping outside the house. This was quite a common practice in those parts for houses without air conditioning, as they became unbearably hot inside. He was awoken by a man in a one-piece blue suit standing beside his bed who said "My name is Sylvanon, I'd be pleased to show you my craft". He tried to wake his wife but was unable to do so. The ship was standing about a hundred yards away, and on being taken aboard found it was very like the one in the film The Day the Earth Stood Still, except that this one had a column in the centre. He was shown how furniture could be brought out of walls, and instruments rose out of what had appeared to be shelves. He saw clothes hanging in wardrobes, and responses to his questions were given before he spoke them. He was then taken through a "manhole" below the deck and saw two rotors turning in opposite directions, and what appeared to be gear wheels which reminded him of the "wheels within wheels" of the Book of Ezekiel in the Bible. He was then accompanied out of the ship and the man said "We'll be seeing you". When he had

re-entered his ship it took off and vanished in about seven seconds.

The rock the area is named after is a huge boulder with a small room carved in the bottom in which Van Tassel carried out thought communication sessions with space people. People who visited it said it felt very powerful. He said that when the space people gave information, it was a little at a time and they waited for each piece to be acted on before they gave the next. Van Tassel was also responsible for building the Integreton, a large observatory-like building about three miles from the Rock, intended to rejuvenate the human body.

Sources: Interview with Van Tassel on Contact, an American radio programme of the 1960s, The Flying Saucer Pilgrimage, by Bryant and Helen Reeve; Farewell Good Brothers. Van Tassel's now-rare book, I Rode a Flying Saucer(1952, 1955), recounts some of the cosmic wisdom he received from "Solgonda" and a large number of other god-like Space Brothers. Among his other works are The Council of Seven Lights (1958), Into This World and Out Again, Religion and Science Merged, and When Stars Look Down.

The Splitting Of Van Tassel's Giant Rock

On February 23, 2000, The High Desert Star newspaper reported that the world s largest, freestanding boulder broke into two pieces. A third of it broke off, exposing a gleaming white granite interior.

The Giant Rock is famous in Native American culture, since it and the surrounding land are Holy Ground. It was the place where the northern and southern tribes met each year. Native Americans call the Giant Rock The Great Stone. And to them, the Great Stone symbolizes the Great Spirit.

In times past, tribal ceremonies at this site often lasted up to three days. During the ceremonies, none of the ordinary citizens of the tribe were allowed to be near the Rock; instead, they had to camp a mile or so away from the proceedings. On the North side of the Rock is the Sign of the Scorpion, purportedly put there by an Indian chief . To the Indians, the sign signifies a good place According to reports; it is the only official Native American sign on the Giant Rock. No other markings were permitted. At the Giant Rock, the chiefs would commune with the spirits of the "Rock People" who prophesized that one day the Mother would split open and a new era would begin. Many see the recent splitting of the rock as a prophesy fulfilled.

In his book, "The Secret of the Beloved Disciple," James Twyman wrote extensively about two important and contemporary Shamans active in the Southern Calif. area: Shri Naath Devi and Fr. John, a priest from LA.

Twyman reported that on 19 and 20 February 2000, Shri Naath Devi gathered fellow healers to meditate near Giant Rock. She said that Native people had stopped holding ceremonies in the area and that violent upheavals would occur. She went on to say that if the Mother accepted the scheduled prayers, then the Giant rock would split at the side, relieving pressure on the Earth s tectonic plates. If the prayers were not accepted, then Giant Rock would split directly down the middle. Keep in mind that the Giant Rock had not moved for millions of years. Nonetheless, the next morning the boulder hadn t simply cracked; rather, an entire third of it broke off. Twyman reports that Devi interpreted the splitting of the Rock as a positive sign that indicated that the Mother had opened her arms to mankind.

Giant Rock Splits Open

Native American prophecys say

"the day when Motherearth splits the stone open, a new era will begin."

February 2000 James Twyman - Giant Rock was considered by many the largest boulder in the world, it is now two boulders. A slice of the rock fell off from the boulder monday morning February 23, 2000, exposing a gleaming white granite interior, and fulfilling Native American prophecy.

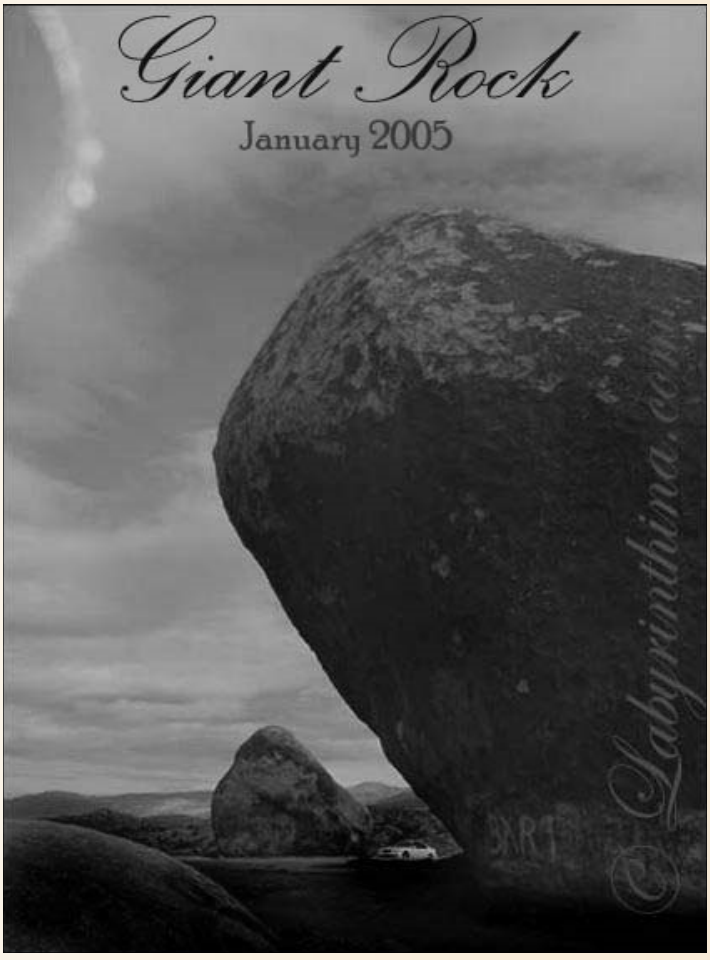
In ancient times "Giant Rock" was held sacred by the Native peoples of the Joshua Tree, California area. So sacred in fact that only the chief was allowed to go near it. Everyone else had to wait nearly a mile away while the Chief communed with the spirits of the "Rock People" who had prophesied "the day when the Mother would split open and a new era would be revealed."

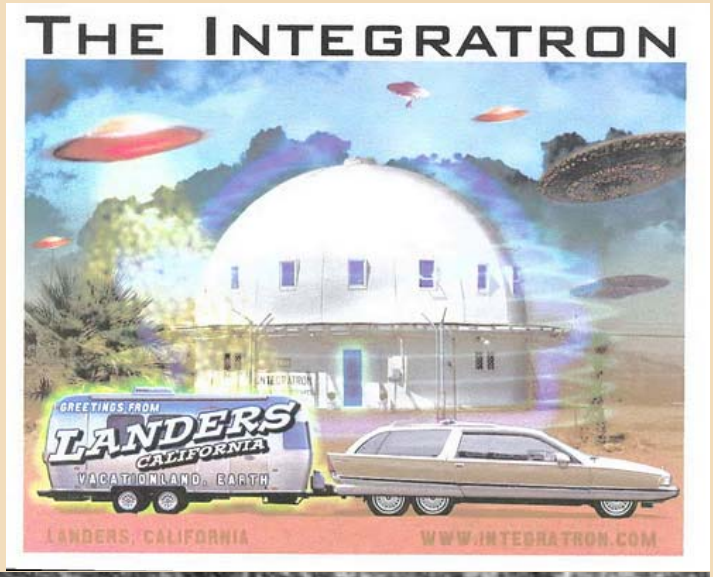
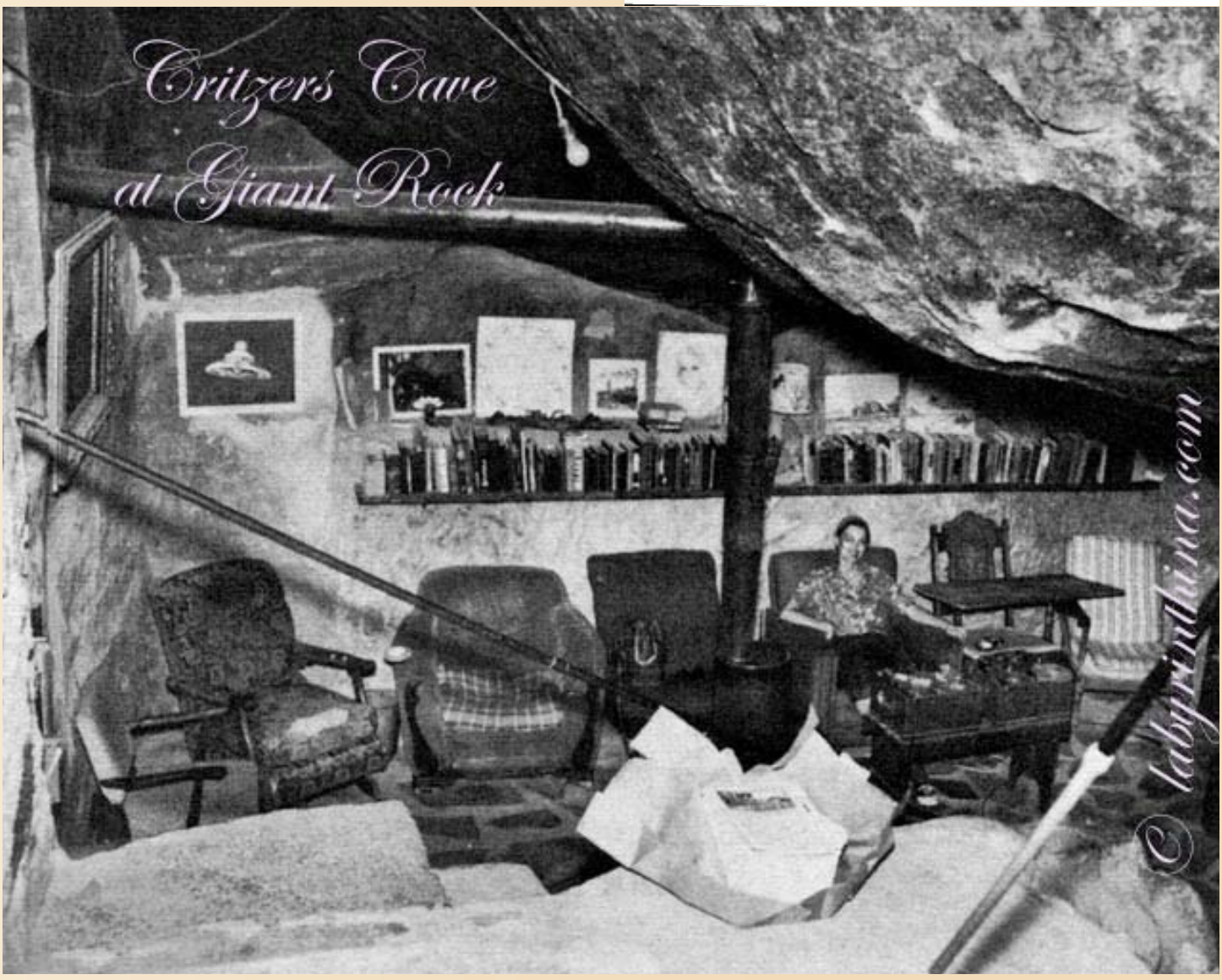
Most other traditions have pointed to this time in our history as the awakening of the Divine Feminine, to a world based upon compassion and peace. Now that Giant Rock has split, many people believe that the prophecy has been fulfilled.

In my latest book, "The Secret of the Beloved Disciple," I wrote extensively about two important shamans in this area, Shri Naath Devi and Fr. John, a priest from Los Angeles. This e-mail is in regard to the important happenings that took place at the Integratron with Shri Naath Devi and Fr. John a mile away from Giant Rock, during the two days prior to the boulder splitting. I believe that this story needs to be shared with as many people as possible so we can focus our prayers and energy on the important era we have so recently entered.

On February 19th and 20th, Shri Naath Devi was inspired to bring a number of powerful healers to the desert near Giant Rock to pray, meditate. She said that the Native people were no longer doing ceremony in this area and that the earth itself was about to react with a violent upheaval. If the Mother accepted the prayers that were scheduled, then Giant Rock would crack at the side, relieving pressure on the Earth's tectonic plates. If the prayers were not accepted, then Giant Rock would split directly down the middle.

The fact that Giant Rock has not moved for millions of years made the likelihood of such a change remote. And yet, the next morning, to everyone's amazement,



the boulder had not cracked; rather one-third of the rock had split and had fallen to the desert floor. Shri Naath Devi interpreted this in the most positive light. She said that the Mother had opened her arms to us, cracking open her heart for the whole world to see. Fr. John was there for part of the prayer. He too felt the incredible shift and joined two of my assistants, LaurieJoy Pinkham and Will Clark, who had participated in the prayers with Shri Naath Devi. They had gathered at her house less than 24 hours later.

As they stood in the kitchen discussing the events, lightning struck, sending a ball of light through the align=”left” of the house in a north/south direction. Within moments lightning struck again and shot through the house in an east/west direction. This was a very auspicious moment and was witnessed by all four people. Shri Naath Devi declared that the prayers were now complete and that the lightening was honor-